

Schneider Series Service Manual

STBNIP2212

1. Description

The Schneider Electric STBNIP2212 is a dedicated network interface module designed for communications over Modbus TCP/IP. It operates at an input voltage of 24 V DC and has a current draw of 100 mA, providing the necessary power requirements for efficient operation.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Line Modicon
Part	Number STBNIP2212
EAN	3595862055116
Weight	0.31 lbs (0.14 kg)
Description	of Module Network Interface Module
Interface	Modbus TCP/IP
Input	Voltage 24 V DC
Current	Consumption 100 mA
Temperature	Range 0 °C to 60 °C
Enclosure	Rating IP20
Communication	Ports 2 x RJ45
LED	Indicators Status, Error, Power
Power	Supply Powered from the Bus
Environment	Indoor use only
Compliance	CE, UL
Range	of Product
Modicon	STB distributed I/O solution
Product	or Component Type
Standard	Network Interface Module
Complementary	
Communication	Service
SNMP	agent
Modbus	TCP/IP messaging
Embedded	web (configuration,diagnostics and access to variable)
BootP/DHCP	protocol
Power	supply type
SELV	
Height	
5.05	in (128.3 mm)
Width	
1.6	in (40.5 mm)
Depth	
2.8	in (70 mm)
Net	Weight
0.29	lb(US) (0.13 kg)
Environment	
IP	Degree of Protection
IP20	
Marking	
CE	
Product	certifications
CSA	
UL	
FM	Class 1 Division 2
ATEX	Cat 3G
C-tick	
Ambient	air temperature for operation
32...14	

3. Product Information

The Schneider Electric STBNIP2212 is a dedicated network interface module designed for communications over Modbus TCP/IP. It operates at an input voltage of 24 V DC and has a current draw of 100 mA, providing the necessary power requirements for efficient operation.

Technical specifications for STBNIP2212

Manufacturer Schneider Electric

Product Line Modicon

Part Number STBNIP2212

EAN 3595862055116

Weight 0.31 lbs (0.14 kg)

Description of Module Network Interface Module

Interface Modbus TCP/IP

Input Voltage 24 V DC

Current Consumption 100 mA

Temperature Range 0 °C to 60 °C

Enclosure Rating IP20

Communication Ports 2 x RJ45

LED Indicators Status, Error, Power

Power Supply Powered from the Bus

Environment Indoor use only

Compliance CE, UL

Range of Product

Modicon STB distributed I/O solution

Product or Component Type

Standard Network Interface Module

Complementary

Communication Service

SNMP agent

Modbus TCP/IP messaging

Embedded web (configuration,diagnostics and access to variable)

BootP/DHCP protocol

Power supply type

SELV

Height

5.05 in (128.3 mm)

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1.6 in (40.5 mm)

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2.8 in (70 mm)

Net Weight

0.29 lb(US) (0.13 kg)

Environment

IP Degree of Protection

IP20

Marking

CE

Product certifications

CSA

UL

FM Class 1 Division 2

ATEX Cat 3G

C-tick

Ambient air temperature for operation

32...140 °F (0...60 °C) without derating

-13...158 °F (-25...70 °C) with derating factor

Ambient air temperature for storage

-40...185 °F (-40...85 °C)

Relative humidity

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

Operating altitude

<= 6561.68 ft (2000 m)

Vibration resistance
3 gn 58...150 Hz) on 35 mm DIN rail
5 gn 58...150 Hz) on 35 mm DIN rail
+/-0.35 mm 10...58 Hz)
Shock resistance
30 gn 11 msIEC 88 reference 2-27
Ordering and shipping details
Category
US1PC3218215
Discount Schedule
PC32
GTIN
3595862055116
Returnability
Yes
Country of origin
FR
Packing Units
Unit Type of Package 1
PCE
Nbr. of units in pkg.
1
Package 1 Height
1.732 in (4.400 cm)
Package 1 Width
2.874 in (7.300 cm)
Package 1 Length
5.118 in (13.000 cm)
Package weight(Lbs)
5.750 oz (163.000 g)
Description
The STBNIP2212 from Schneider Electric serves as a network interface module, facilitating communication through Modbus TCP/IP protocols. Designed with a 24 V DC input voltage, it consumes a current of 100 mA, ensuring efficient functionality in various applications. This module is intended for indoor use, rated with an IP20 enclosure, which offers protection against solid objects larger than 12 mm but is not suitable for exposure to moisture or dust.
This device measures 80 mm in width, 120 mm in height, and 70 mm in depth, making it a compact addition to any control system. Weighing only 0.3 kg, it is lightweight and easy to install. Communication is handled via two RJ45 ports, providing reliable network connections.
For operational status monitoring, the STBNIP2212 is equipped with LED indicators that provide real-time information regarding status, power, and potential errors. Power to the module is supplied directly from the bus, streamlining installation and connectivity.
This module complies with both CE and UL standards, ensuring it meets essential safety and quality guidelines. The temperature range for reliable operation ranges from 0 °C to 60 °C, allowing it to function effectively in a variety of controlled indoor environments.