

Schneider Series Service Manual

990NAD23000

1. Description

The 990NAD23000 junction box by Schneider Electric is designed for Modbus Plus networks, facilitating reliable communication. This unit operates within a 24 V DC voltage range and supports passive cooling, ensuring efficient performance without the need for active cooling.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Junction Box
Product	Line Modicon
Part	Number 990NAD23000
EAN	3595861127814
Weight	1.00 lbs (0.45 kg)
Network	Protocol Modbus Plus Network
Communication	Port Protocol Modbus Plus
Input	Voltage Range 24 V DC
Cooling	Passive (No active cooling required)
Operating	Temperature Range -20°C to +60°C
Mounting	Wall or Panel Mount
Protection	Class IP20
Connector	Type Screw Terminals
Application	Used in Modbus Plus network for communication

3. Product Information

The 990NAD23000 junction box by Schneider Electric is designed for Modbus Plus networks, facilitating reliable communication. This unit operates within a 24 V DC voltage range and supports passive cooling, ensuring efficient performance without the need for active cooling.

Technical specifications for 990NAD23000

Manufacturer Schneider Electric

Product Type Junction Box

Product Line Modicon

Part Number 990NAD23000

EAN 3595861127814

Weight 1.00 lbs (0.45 kg)

Network Protocol Modbus Plus Network

Communication Port Protocol Modbus Plus

Input Voltage Range 24 V DC

Cooling Passive (No active cooling required)

Operating Temperature Range -20°C to +60°C

Mounting Wall or Panel Mount

Protection Class IP20

Connector Type Screw Terminals

Application Used in Modbus Plus network for communication

Description

Schneider Electric's Modicon series includes the 990NAD23000, a junction box tailored for effective communication in Modbus Plus networks. Designed to accept an input voltage of 24 V DC, this device is a critical component in ensuring seamless data transfer within automation systems. Constructed for simplicity, the junction box utilizes passive cooling, eliminating the need for any active cooling mechanisms, thus promoting long-term reliability.

The operational temperature range of this model extends from -20°C to +60°C, making it versatile enough for various environmental settings. It bears a weight of just 0.05 kg, allowing for easy installation. Users can conveniently mount this junction box either on a wall or a panel, providing flexibility in different configurations. The unit is rated with an IP20 protection class to shield it from dust and solid objects, ensuring it remains operational in typical environments.

Connectors are screw terminals, providing straightforward and secure wiring connections for integration into the Modbus Plus communication protocol. The 990NAD23000 serves a key role in updating and expanding Modbus Plus networks for diverse applications while ensuring stable connectivity and communication.

Accessory / separate part category

Connection accessories

Accessory / Separate Part Type

Junction box

Accessory / separate part designation

IP20 Modbus Plus junction box with line terminal

Accessory / separate part destination

Modbus Plus network

Additional information

Requires the wiring tools 043509383

Quantity per Set

Set of 1

Complementary

Range Compatibility

Modicon Momentum automation platform

Modicon TSX Micro automation platform

Modicon Premium automation platform

Modicon Quantum automation platform

Communication Port Protocol

Modbus Plus

Net Weight

0.51 lb(US) (0.23 kg)

Environment

IP Degree of Protection

IP20

Ordering and shipping details

Category

US1PC2118150

Discount Schedule

PC21

GTIN

3595861127814

Returnability

Yes

Country of origin

CN

Packing Units

Unit Type of Package 1

PCE

Nbr. of units in pkg.

1

Package 1 Height

1.024 in (2.600 cm)

Package 1 Width

2.165 in (5.500 cm)

Package 1 Length

4.488 in (11.400 cm)

Package weight(Lbs)

2.222 oz (63.000 g)