

Schneider Series Service Manual

140NOC78000C

1. Description

The Modicon Quantum 140NOC78000C is an Ethernet digital input/output network module. This robust unit supports full-duplex communications while accommodating a maximum of 128 connections. Ideal for various automation tasks, it operates at transmission rates of 10/100 Mbit/s and includes built-in redundancy features for increased reliability.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Ethernet DIO Network Module
Product	Line Modicon Quantum
Part	Number 140NOC78000C
EAN	3595864153254
Exchange	Mode Full duplex
Max	Connections 128
Transmission	Rate 10/100 Mbit/s
Redundancy	Yes
Web	Server Embedded
Ethernet	Service Rapid Scanning Tree Protocol (RSTP)
Cable	Twisted pair
Interface	RJ-45
Format	Standard
Protection	Rating IP20
Ambient	Temperature 0 to 60 °C

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Technical specifications for 140NOC78000C

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Description

The Schneider Electric part number 140NOC78000C, belonging to the Modicon Quantum series, functions as an Ethernet digital input/output (DIO) network module. This component supports seamless full-duplex communication, ensuring two-way data transfers without delays. Its capability to manage up to 128 simultaneous connections provides flexibility for scaling and integrating into existing systems. Operating at a transmission rate of 10/100 Mbit/s, it maintains high-speed data interchange crucial for modern applications.

This module is fitted with a redundancy option, enhancing its reliability and operational stability. Users benefit from an embedded web server, which simplifies configuration and monitoring processes remotely. The Ethernet service is supported by the Rapid Scanning Tree Protocol (RSTP), optimizing network performance and reducing potential transmission delays.

Engineered for standard installations, this unit utilizes twisted pair cabling and is compatible with an RJ-45 interface for easy connectivity. Weighing 0.345 kg, it has a compact design that integrates easily into most setups. Additionally, its IP20 protection rating signifies a basic level of defense against dust and solid object ingress. This module operates effectively in environments with ambient temperatures ranging from 0 °C to 60 °C, suitable for diverse industrial applications.