

Schneider Series Service Manual

140NWM05000

1. Description

The 140NWM05000 is a head-end adaptor from Schneider Electric's Modicon Quantum series. This DIO module requires an IP address and is designed with a removable door for easy access.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type DIO head-end adaptor
Product	Line Modicon Quantum
Part	Number 140NWM05000
IP	Address Required
Door	Removable
Interfaces	RS-232, 100 Base-Fx, 10/100 Base-T
Bus	Current 900 mA
Power	Dissipation 4.5 W
Fuse	None
Firmware	Upgradable
Serial	Port Bus Current 750 mA
Serial	Port Power Dissipation 3.8 W
Diagnostics	LEDs Yes
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
Description	
The	140NWM05000 by Schneider Electric is categorized as a DIO head-end adaptor, essential for integration within the Modicon Quantum framework. Configuration of this module mandates an assigned IP address to ensure proper network communication. A removable door feature simplifies installation and maintenance processes.

3. Product Information

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Technical specifications for 140NWM05000

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Maximum Storage Humidity 80% RH, non-condensing

Description

The 140NWM05000 by Schneider Electric is categorized as a DIO head-end adaptor, essential for integration within the Modicon Quantum framework. Configuration of this module mandates an assigned IP address to ensure proper network communication. A removable door feature simplifies installation and maintenance processes.

This adaptor provides a variety of communication interfaces, inclusive of RS-232, 100 Base-Fx, and 10/100 Base-T connectivity, facilitating versatile networking options. It can source a bus current of up to 900 mA, alongside 750 mA through the serial port, supporting efficient power distribution with a total power dissipation of 4.5 W and 3.8 W specifically for the serial port.

Upgradability of the firmware enhances its longevity and adaptability to new requirements. Diagnostic LEDs present on the device aid in troubleshooting and system monitoring. The 140NWM05000 is engineered to perform within a temperature span between 0 and 40 degrees Celsius, while it can withstand storage conditions of 0 to 50 degrees Celsius.

Additionally, it is designed for use in environments with a maximum relative humidity level of 80% RH, both during operation and while in storage, maintaining functionality in non-condensing conditions.