

Schneider Series Service Manual

140QUCMOE

1. Description

The 140QUCMOE from Schneider Electric is a universal communications module in the Modicon Quantum series, designed to enhance connectivity and data transfer capabilities. It features both Ethernet and serial ports, supporting various communication protocols for versatile integration.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Universal Communications Module
Product	Line Modicon Quantum
Part	Number 140QUCMOE
Ports	1x RJ45 Ethernet, 1x Serial (RS-232/485)
Baud	Rate Up to 115.2 kbps
Communication	Protocols Modbus, Modbus Plus, TCP/IP, ASCII
Data	Buffer 2 MB SRAM
Mounting	Type Rack-mounted
Compliance	UL, CSA, CE
Power	Supply 5 V DC (from rack)
Operating	Temperature 0°C to 60°C
Storage	Temperature -40°C to 85°C
Humidity	Tolerance 5% to 95% non-condensing

3. Product Information

The 140QUCMOE from Schneider Electric is a universal communications module in the Modicon Quantum series, designed to enhance connectivity and data transfer capabilities. It features both Ethernet and serial ports, supporting various communication protocols for versatile integration.

Technical specifications for 140QUCMOE

Manufacturer Schneider Electric

Product Type Universal Communications Module

Product Line Modicon Quantum

Part Number 140QUCMOE

Ports 1x RJ45 Ethernet, 1x Serial (RS-232/485)

Baud Rate Up to 115.2 kbps

Communication Protocols Modbus, Modbus Plus, TCP/IP, ASCII

Data Buffer 2 MB SRAM

Mounting Type Rack-mounted

Compliance UL, CSA, CE

Power Supply 5 V DC (from rack)

Operating Temperature 0°C to 60°C

Storage Temperature -40°C to 85°C

Humidity Tolerance 5% to 95% non-condensing

Description

The Schneider Electric 140QUCMOE serves as a universal communications module within the Modicon Quantum series. This module facilitates versatile communication by featuring one RJ45 Ethernet port in addition to a serial port supporting RS-232 and RS-485 standards. This combination enhances connectivity options for varied applications.

Operating with a baud rate of up to 115.2 kbps, the device efficiently handles communications over multiple protocols, including Modbus, Modbus Plus, TCP/IP, and ASCII. This enhances its usability across different systems and networking environments. With a weight of 0.45 kg and a mounting type that is rack-mounted, it fits seamlessly into existing setups.

The data handling capability is supported by a 2 MB SRAM buffer, enabling effective storage of communication data for processes. The power supply requirement is a straightforward 5 V DC sourced from the rack, ensuring compatibility with standard setups.

Environmental tolerances are significant as this module is rated for operation within 0°C to 60°C and can be stored in temperatures as low as -40°C, extending to 85°C. Further, it can withstand humidity levels ranging from 5% to 95% without condensation, which assures reliable performance even in demanding conditions. Compliance with UL, CSA, and CE standards underlines its reliability and safety in various industrial applications.