

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

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Technical specifications for 140QUCMOE

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Product Type Universal Communications Module

Product Line Modicon Quantum

Part Number 140QUCMOE

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Baud Rate Up to 115.2 kbps

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

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Compliance UL, CSA, CE

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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.