

Schneider Service Manual

140CPU43412

3. Product Information

The Schneider Electric 140CPU43412 is a CPU module belonging to the Modicon Quantum series. It utilizes a 486 controller with 2 MB of SRAM to carry out essential processing tasks efficiently.

Technical specifications for 140CPU43412

Manufacturer Schneider Electric

Product Type CPU Module

Product Line Modicon Quantum

Part Number 140CPU43412

Weight 2.00 lbs (0.91 kg)

Bus Current 400 mA

Processor 486 Controller

Operating Temperature 0°C to 60°C (32°F to 140°F)

Memory 2 MB SRAM

Storage Temperature -40°C to 85°C (-40°F to 185°F)

Modbus Connections 2 x Modbus

Power Consumption 5 W

Key Switch 1 x Modbus KYSW

The Modicon Quantum series's CPU module, designated part number 140CPU43412, functions on a 486 controller, providing a solid processing foundation for various applications. The module is equipped with 2 MB SRAM, allowing for adequate memory capacity. It operates within a temperature range of 0°C to 60°C (32°F to 140°F), ensuring optimal performance in typical environmental conditions.

For additional flexibility, storage capabilities extend to temperatures as low as -40°C and as high as 85°C (-40°F to 185°F), making it suitable for diverse usage scenarios. Power consumption is rated at 5 watts, which is efficient for the unit's capabilities. The module supports a bus current of 400 mA, facilitating effective communication within the system.

In terms of connectivity, the 140CPU43412 includes two Modbus connections, allowing integration with other Modbus-compliant devices. Additionally, a Modbus key switch is present for manual selection and control functions. This CPU module weighs 0.64 kg, contributing to its portability in a range of installations.