

Schneider Series Service Manual

140CPU31110C

1. Description

The 140CPU31110C from Schneider Electric is a robust processor within the Modicon Quantum series, offering efficient management of industrial processes. With a clock frequency of 66 MHz and 548 kB of RAM, it provides solid performance for various tasks.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Processor
Product	Line Modicon Quantum
Part	Number 140CPU31110C
EAN	3595863839869
Clock	Frequency 66 MHz
RAM	548 kB
Bus	Current 1.8 Amps
Standard	HazLoc
Approvals	CE, UL
Protective	Treatment Conformal coating
Modbus	Connection SUB-D 9
Checks	Process control
USB	Interface 1
Remote	I/O 31
Racks	2

3. Product Information

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Technical specifications for 140CPU31110C

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Checks Process control

USB Interface 1

Remote I/O 31

Racks 2

Description

The Schneider Electric 140CPU31110C processor is a critical component of the Modicon Quantum series, designed for effective control in industrial automation scenarios. It operates at a clock frequency of 66 MHz, allowing for reliable processing speeds suitable for demanding applications. The module is equipped with 548 kB of RAM, which is adequate for executing various operational tasks.

This processor draws a bus current of 1.8 Amps, ensuring it operates efficiently within specified parameters. It also complies with HazLoc standards, indicating its suitability for hazardous locations. The device comes with several important approvals, such as CE and UL, reflecting its adherence to stringent safety and quality standards.

To enhance its functionality, the 140CPU31110C includes a SUB-D 9 Modbus connection, facilitating straightforward integration with other Modbus-compatible devices. The unit is capable of supervising up to 31 remote I/O devices, expanding its application possibilities in complex automation environments. Additionally, it can be mounted in two racks, offering flexibility in system configuration.

A USB interface is also present to facilitate easy access and communication with other systems. For added durability, the processor is treated with a conformal coating, enhancing its protection against environmental factors. Overall, the 140CPU31110C processor is designed for effective process control and reliable performance in a variety of industrial settings.