

## 140CPU43412A

### Modicon Quantum 80486 Processor Module

CONTROLLED ENGINEERING COPY

Schneider Electric 140CPU43412A is a Modicon Quantum processor module with an 80486-class 66 MHz processor and 896 kB RAM. It provides two Modbus ports and one Modbus Plus interface for the documented Quantum controller architecture.

| INSTALLATION IDENTITY | REQUIRED VALUE                             |
|-----------------------|--------------------------------------------|
| Complete model        | 140CPU43412A                               |
| Manufacturer          | Schneider Electric                         |
| System family         | Modicon Quantum                            |
| Record scope          | Installation, application and verification |

1

PLAN

2

ISOLATE

3

CONNECT

4

CONFIGURE

5

TEST

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# 01 PRE-INSTALLATION PLAN

1

Confirm the complete 140CPU43412A marking and the documented Modicon Quantum 80486 Processor Module execution.

2

Place the machine, controller and affected process in the approved maintenance state.

3

Isolate all hazardous energy and prove the safe state before disconnecting hardware.

4

Record the installed position, every terminal or port, and the active engineering configuration.

5

Verify the exact electrical, interface and environmental limits in the manufacturer evidence.

## MATCHED HARDWARE

- Schneider Electric 140CPU43412A with complete article identity
- Matched Modicon Quantum host or connected equipment
- Documented power, signal and communication interfaces
- Approved configuration, diagnostics and acceptance record

## INSTALLATION CONTROL RECORD

| CONTROL ITEM       | REQUIRED RECORD                                                                                                                     |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Identity           | 140CPU43412A recorded                                                                                                               |
| Physical interface | Installed terminals, ports and signal paths matched to the as-found record                                                          |
| Configuration      | Approved hardware and engineering configuration restored                                                                            |
| Functional proof   | Controlled test confirms program execution and Modbus or Modbus Plus coordination in a documented legacy Modicon Quantum controller |

## 02 WIRING & INTERFACE CHECKS

| CHECK ITEM               | REQUIRED VALUE                                     |
|--------------------------|----------------------------------------------------|
| Product designation      | Modicon Quantum processor module                   |
| Processor class          | 80486                                              |
| Processor clock          | 66 MHz                                             |
| RAM capacity             | 896 kB                                             |
| Programming environments | ProWORX32 and Concept                              |
| Modbus ports             | 2                                                  |
| Modbus Plus interfaces   | 1                                                  |
| Controller platform      | Modicon Quantum                                    |
| Key-switch function      | Controller operating and memory-protection control |
| Lifecycle status         | Discontinued product                               |
| Official replacement     | BMEP582040 Modicon M580 processor                  |

### RELATED PRODUCT PAGES

1 [Schneider Electric 140DDI85300](#)

2 [Schneider Electric 140DDI84100](#)

3 [Schneider Electric 140DDI35300](#)

4 [Schneider Electric 140DAO84000](#)

5 [Schneider Electric 140DAI75300](#)

6 [Schneider Electric 140DAI74000](#)

7 [Schneider Electric 140CPU67160](#)

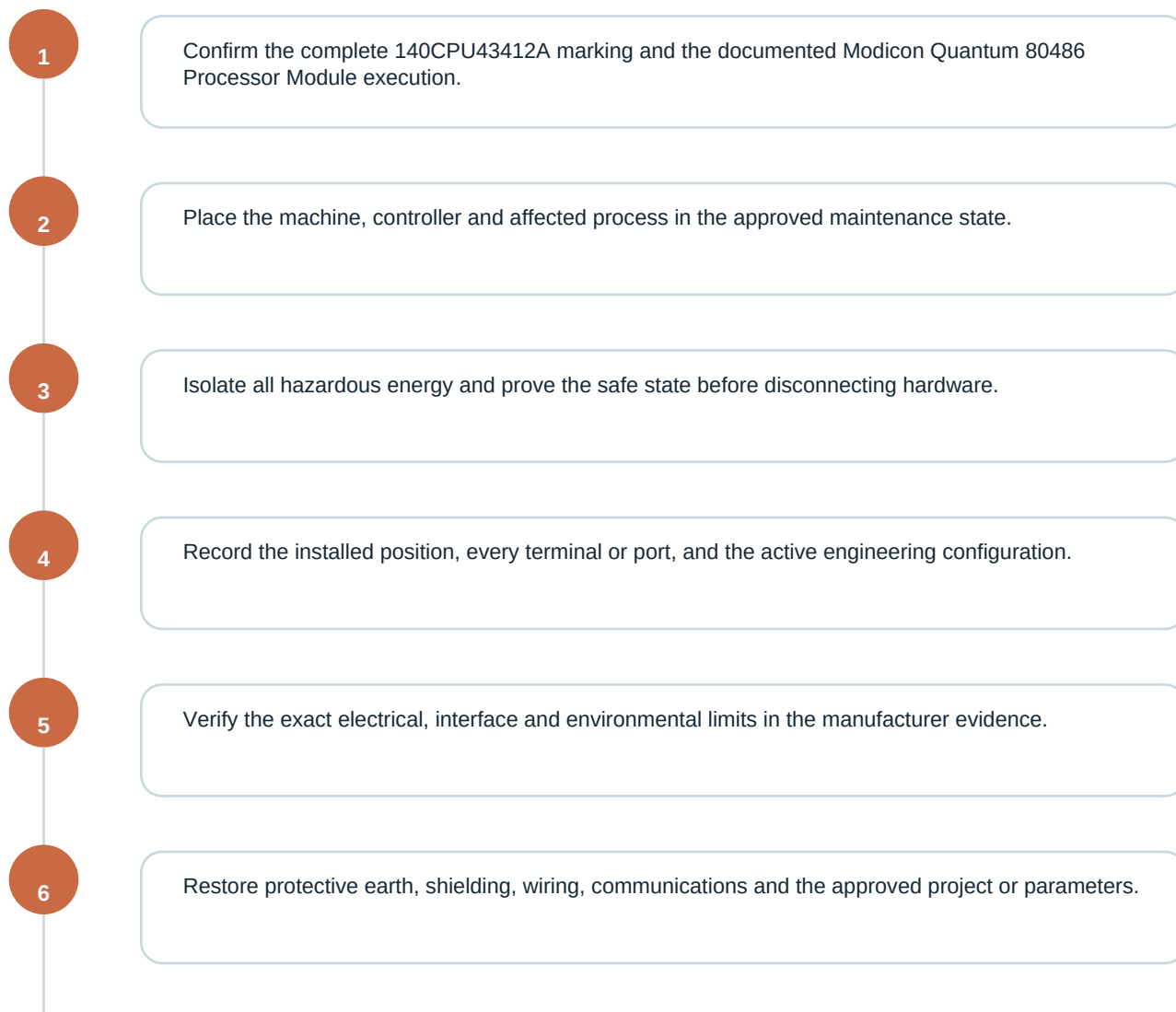
8 [Schneider Electric 140CPU43412U](#)

9 [Schneider Electric 140CPS22400](#)

### FIELD NOTE

Confirm 140CPU43412A, its exact Modicon Quantum host, power source, installed position, interfaces, configuration, diagnostics and controlled acceptance evidence before release.

## 03 COMMISSIONING WORKFLOW



### COMMISSIONING ACCEPTANCE EVIDENCE

| EVIDENCE ITEM      | ACCEPTANCE CONDITION                                                                                                                |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Identity           | 140CPU43412A                                                                                                                        |
| Physical interface | Installed terminals, ports and signal paths matched to the as-found record                                                          |
| Configuration      | Approved hardware and engineering configuration restored                                                                            |
| Functional proof   | Controlled test confirms program execution and Modbus or Modbus Plus coordination in a documented legacy Modicon Quantum controller |

# 04 RETURN-TO-SERVICE RECORD

- ☐ Verify the exact electrical, interface and environmental limits in the manufacturer evidence.
- ☐ Restore protective earth, shielding, wiring, communications and the approved project or parameters.
- ☐ Energize under control and review all device, rack, network and process diagnostics.
- ☐ Complete a controlled functional test of program execution and Modbus or Modbus Plus coordination in a documented legacy Modicon Quantum controller before release.

## VERIFICATION RECORD

|                     |                                                |
|---------------------|------------------------------------------------|
| PRODUCT IDENTITY    | 140CPU43412A                                   |
| INSTALLED POSITION  | Documented Modicon Quantum position            |
| VERIFICATION METHOD | Controlled inspection and functional test      |
| RELEASE RECORD      | Final diagnostic state retained before service |

## FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐ Verify the exact electrical, interface and environmental limits in the manufacturer evidence.
- ☐ Restore protective earth, shielding, wiring, communications and the approved project or parameters.
- ☐ Energize under control and review all device, rack, network and process diagnostics.
- ☐ Complete a controlled functional test of program execution and Modbus or Modbus Plus coordination in a documented legacy Modicon Quantum controller before release.

## SOURCE IDENTIFIERS

Schneider Electric 140CPU43412A exact product record and Quantum end-of-commercialization notice | Official manufacturer evidence verified 28 September 2026