

140CHS11000

Modicon Quantum Hot Standby Module

Schneider Electric 140CHS11000 is the Modicon Quantum hot-standby module used with documented non-Unity Quantum processor architectures. A matched pair must retain compatible firmware and the

PRODUCT SNAPSHOT

BRAND
Schneider Electric

FAMILY
Modicon Quantum

PART
140CHS11000

DOCUMENT STATUS
Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

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PRODUCT OVERVIEW

Schneider Electric 140CHS11000 provides primary/standby synchronization in a documented legacy Modicon Quantum hot-standby architecture in a documented Modicon Quantum installation.

- Quantum hot-standby module
- Matched-module firmware requirement
- ComAct diagnostic signaling
- EXECLoader firmware recovery support

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SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
Proximity probe	Matched extension cable
Proximitor Sensor	AISI 4140 target

ENGINEERING CONTEXT

The component remains matched to its documented cabinet position, power source, interfaces and approved engineering configuration. Commissioning restores that architecture and verifies the affected control or communication function under controlled conditions.

TECHNICAL DATA

PARAMETER	VALUE	PARAMETER	VALUE
Product designation	Hot standby module	Crash code 6301	Firmware or PROM error present
Automation platform	Modicon Quantum	Recovery code 0000	Successful firmware recovery
Processor architecture	Documented non-Unity Quantum hot-standby systems	Unity Pro compatibility	140CHS11000 is not the Unity Pro hot-standby module
Pairing requirement	Both hot-standby modules require identical firmware	Lifecycle status	Discontinued 27 September 2024
ComAct diagnostic	7 blinks indicates a PROM checksum error	Official replacement	No direct replacement listed
Firmware recovery tool	EXECLoader		

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TECHNICAL NOTE

Install 140CHS11000 only in the documented Modicon Quantum position and preserve its exact wiring, interfaces and configuration. After controlled energization, verify diagnostics and primary/standby synchronization in a documented legacy Modicon Quantum hot-standby architecture before service release.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Legacy Quantum redundancy

Maintains the approved primary and standby controller arrangement.

Hot-standby module replacement

Preserves slot, fiber link, firmware and system configuration.

ComAct fault recovery

Uses the documented blink pattern and crash code to guide firmware recovery.

Redundancy acceptance test

Proves synchronized operation and controlled role transfer before release.

PRODUCT PRECAUTIONS

1

Confirm the complete 140CHS11000 marking and the documented Modicon Quantum Hot Standby Module

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.

6

Restore protective earth, shielding, wiring, communications and the approved project or

7

Energize under control and review all device, rack, network and process diagnostics.

8

Complete a controlled functional test of primary/standby synchronization in a documented legacy Modicon

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ENGINEER FAQ

Q1 **What system role is assigned to Schneider Electric 140CHS11000?**

140CHS11000 is the hot-standby module for documented legacy Modicon Quantum redundancy architectures.

Q2 **Must both 140CHS11000 modules use the same firmware?**

Yes. Schneider Electric requires identical firmware versions in the two hot-standby modules.

Q3 **What does seven ComAct LED blinks mean on 140CHS11000?**

Seven ComAct blinks indicate a PROM checksum error.

Q4 **Which tool is used to reload 140CHS11000 firmware?**

Use Schneider Electric EXECLoader following the applicable recovery procedure.

Q5 **What does crash code 6301 indicate on 140CHS11000?**

Crash code 6301 identifies a firmware or PROM error condition.

Q6 **Which crash code confirms successful 140CHS11000 recovery?**

A recovered module reports code 0000 after the firmware reload succeeds.

Q7 **Can 140CHS11000 be treated as a Unity Pro hot-standby CPU module?**

No. Schneider Electric migration guidance distinguishes this legacy module from Unity Pro hot-standby CPU architectures.

Q8 **Which acceptance test is essential after replacing 140CHS11000?**

Verify synchronization, healthy standby status and a controlled primary-to-standby role transfer.

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SOURCE Schneider Electric 140CHS11000 product record, FAQ FA276443 and Quantum migration guidance | Official manufacturer evidence verified 28 September 2026
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