

PC-E984-685

Modicon 984-685 Programmable Controller

Schneider Electric PC-E984-685 is a Modicon 984 slot-mounted programmable controller. It executes the installed ladder-logic application and coordinates local and remote 800-series I/O through the configured controller system.

BRAND	Schneider Electric	FAMILY	Modicon 984 programmable controller system
PART	PC-E984-685	SYSTEM ROLE	Executes the installed Modicon 984 ladder-logic application

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PC-E984-685

MANUFACTURER SOURCE RECORD

984-680/685 and 984-780/785 System Planning and Installation Guide
Schneider Electric / Modicon GM-0984-401

Product Overview

SYSTEM FUNCTION

Schneider Electric PC-E984-685 is a Modicon 984 slot-mounted programmable controller. It executes the installed ladder-logic application and coordinates local and remote 800-series I/O through the configured controller system.

FUNCTION 1

Executes the installed Modicon 984 ladder-logic application

FUNCTION 2

Coordinates documented local and remote I/O assignments

FUNCTION 3

Exchanges controller data through the configured Modbus Plus network

FUNCTION 4

Maintains application memory through the installed backup battery

System Components

COMPONENT	DOCUMENTED ROLE
Host / carrier	Modicon 984 programmable controller system
Primary interface	Executes the installed Modicon 984 ladder-logic application
Engineering context	Use PC-E984-685 only with its documented host, interfaces and accessories; record the as-found arrangement and complete a controlled functional verification after installation.
Commissioning duty	Complete diagnostics, interlock tests and a controlled application sequence before automatic operation.

TECHNICAL NOTE

Install PC-E984-685 only in the documented Modicon 984 programmable controller system arrangement and record the exact connection and configuration before removal. Restore the approved settings, then verify diagnostics and functional response before release.

Technical Data

PARAMETER	VALUE	PARAMETER	VALUE
Country of origin	France	Local I/O capacity	Up to 1024 discrete points
HS code	8537101190	Total discrete I/O	Up to 2048 points
Controller model	984-685	Remote I/O drops	Up to 31
User logic	8 K to 16 K	Programming software	Modsoft
State RAM registers	1920	Network	Modbus Plus

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
140CPU43412	Modicon Quantum CPU	View 140CPU43412 page
140CPU67160	Modicon Quantum CPU	View 140CPU67160 page
140CPU43412U	Modicon Quantum CPU	View 140CPU43412U page
TSXP574634M	Premium processor	View TSXP574634M page
TSXP57302M	Premium processor	View TSXP57302M page
BMXP3420302	Modicon processor	View BMXP3420302 page
BMXDDO1602	digital output module	View BMXDDO1602 page
BMXDDI3202K	digital input module	View BMXDDI3202K page

ENGINEERING BOUNDARY

Confirm the complete PC-E984-685 marking, installed host, hardware execution, terminals or connectors, wiring, grounding, configuration, accessories and controlled commissioning results.

Applications and Precautions

Common Applications

Legacy Modicon machine control

Runs documented 984 logic for an existing machine or process unit.

Modbus Plus control networks

Exchanges controller data with configured peer stations and engineering tools.

800-series I/O coordination

Maintains the approved local and remote I/O map connected to the controller.

984 system migration verification

Provides the as-found controller reference needed for a controlled modernization study.

Product Precautions

- 1

Confirm the complete PC-E984-685 marking, controller revision and housing position.
- 2

Place the controlled process and all driven equipment in the approved maintenance state.
- 3

Back up the complete Modsoft program, configuration, node address and register data.
- 4

Isolate controller and field power according to the installed wiring drawings.
- 5

Record local 800-series I/O interfaces, Modbus Plus cabling and any S908 remote-I/O path.
- 6

Inspect the battery, housing connectors, keying and protective grounding before installation.
- 7

Restore the approved project and verify every configured I/O drop and communication node.
- 8

Complete diagnostics, interlock tests and a controlled application sequence before automatic operation.

IMPORTANT NOTICE

Confirm the complete PC-E984-685 marking, installed host, hardware execution, terminals or connectors, wiring, grounding, configuration, accessories and controlled commissioning results.

ACCEPTANCE CHECK	REQUIRED EVIDENCE
Identity	PC-E984-685
Configuration	Restore the approved project and verify every configured I/O drop and communication node.
Functional release	Complete diagnostics, interlock tests and a controlled application sequence before automatic operation.

Engineer FAQ

Q1 What identity details must be checked before PC-E984-685 is removed?

Confirm PC-E984-685, 984 housing and power supply, hardware revision, Modsoft project, battery, Modbus Plus node, S908 interface when fitted, 800-series local and remote I/O map, field wiring, grounding and controlled functional-test results before commissioning.

Q3 Which Modicon 984 programmable controller system interfaces must be recorded for PC-E984-685?

The controller is used with the installed 984 housing, power supply, 800-series I/O interfaces and the approved Modbus Plus or S908 network arrangement. Commissioning requires a matched project backup, node settings, I/O map, battery condition and full application diagnostics.

Q5 How should the installed configuration be restored after fitting PC-E984-685?

Inspect the battery, housing connectors, keying and protective grounding before installation.

Q7 What replacement records should be retained for PC-E984-685?

Confirm the complete PC-E984-685 marking, controller revision and housing position. Record local 800-series I/O interfaces, Modbus Plus cabling and any S908 remote-I/O path.

Q2 How does PC-E984-685 perform its documented modicon 984-685 programmable controller role?

Executes the installed Modicon 984 ladder-logic application. It executes the installed ladder-logic application and coordinates local and remote 800-series I/O through the configured controller system.

Q4 What isolation and ESD controls apply while handling PC-E984-685?

Place the controlled process and all driven equipment in the approved maintenance state. Back up the complete Modsoft program, configuration, node address and register data.

Q6 Which diagnostic evidence confirms that PC-E984-685 is recognized correctly?

Restore the approved project and verify every configured I/O drop and communication node.

Q8 What final acceptance test is required before PC-E984-685 returns to service?

Complete diagnostics, interlock tests and a controlled application sequence before automatic operation.

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