

INDUSTRIAL AUTOMATION PRODUCT

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.

IDENTITY	VERIFIED VALUE
Manufacturer	Schneider Electric
System family	Modicon 984 programmable controller system
Part number	PC-E984-685
Product role	Executes the installed Modicon 984 ladder-logic application
Lifecycle	Installed product record

DOCUMENT SCOPE

Exact-article identity, technical data, host role, installation checks, applications, precautions and engineering verification.

MODEL-SPECIFIC ENGINEERING 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.

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PC-E984-685

Technical Specifications

Technical values below are limited to the named Schneider Electric product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Country of origin	France	Total discrete I/O	Up to 2048 points
HS code	8537101190	Remote I/O drops	Up to 31
Controller model	984-685	Programming software	Modsoft
User logic	8 K to 16 K	Network	Modbus Plus
State RAM registers	1920	Optional remote I/O	S908
Local I/O capacity	Up to 1024 discrete points	Battery	Lithium backup

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	Modicon 984 programmable controller system
Primary system role	Executes the installed Modicon 984 ladder-logic application
Connection boundary	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.
Controlled acceptance duty	Legacy Modicon machine control

ENGINEERING BOUNDARY

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

Pre-Installation Checks

- 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.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	PC-E984-685
Installed host	Modicon 984 programmable controller system
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

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

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	Modicon 984 programmable controller system
2	8537101190
3	Legacy Modicon machine control
4	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.

System Integration Record

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Modicon 984 programmable controller system
Interface role	Executes the installed Modicon 984 ladder-logic application
Field / power 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 evidence	Complete diagnostics, interlock tests and a controlled application sequence before automatic operation.

Installation and Connection Checks

- 1

Record local 800-series I/O interfaces, Modbus Plus cabling and any S908 remote-I/O path.
- 2

Inspect the battery, housing connectors, keying and protective grounding before installation.
- 3

Restore the approved project and verify every configured I/O drop and communication node.
- 4

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

MANUFACTURER SOURCE RECORD

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

Applications and Engineering Context

Legacy Modicon machine control

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

800-series I/O coordination

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

Modbus Plus control networks

Exchanges controller data with configured peer stations and engineering tools.

984 system migration verification

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

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.

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	PC-E984-685 recorded
Host / carrier	Modicon 984 programmable controller system
Physical interface	Executes the installed Modicon 984 ladder-logic application
Configuration	Restore the approved project and verify every configured I/O drop and communication node.
Functional proof	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.

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	PC-E984-685
Approved role	Legacy Modicon machine control
Final validation	Complete diagnostics, interlock tests and a controlled application sequence before automatic operation.

Engineering 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.

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

MANUFACTURER SOURCE RECORD

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