

Schneider Electric

171CCC76010

M1 Processor Adapter

Schneider Electric 171CCC76010 is a Modicon Momentum M1 processor adapter with one Modbus port and one I/O bus connection. Its 32 MHz processor execution coordinates the local Momentum I/O base and the retained application configuration.

System position

Exact identity 171CCC76010	System family Modicon Momentum	Functional role PLC Processor Adapter	Release basis Recorded test and diagnostics
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Keep the hardware and configuration identities together

171CCC76010 combines controller execution, Modbus communication and local I/O-bus service in a Momentum assembly whose I/O base, project and communication parameters must stay synchronized.

IDENTITY / RESOURCE	DOCUMENTED VALUE
Exact model	171CCC76010
Controller family	Modicon Momentum
Adapter class	M1 processor adapter
Processor speed	32 MHz
Modbus ports	1
I/O bus connections	1

Technical evidence record: Schneider Electric exact product page, Momentum catalogue and exact-model FAQs

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Interfaces and integration

Define the installed role

171CCC76010 combines controller execution, Modbus communication and local I/O-bus service in a Momentum assembly whose I/O base, project and communication parameters

Exact model	171CCC76010
Controller family	Modicon Momentum
Adapter class	M1 processor adapter

Map the host relationship

The complete 171CCC76010 identity is matched to the host position, companion hardware and retained engineering record before any connection is disturbed.

Host	Modicon Momentum
Primary role	Momentum control execution, Modbus
Acceptance	Diagnostics and functional response

Interface control matrix

CONTROL BAND	VERIFICATION RECORD
Identity	Exact model and complete label
Mechanical	Form, seating and retention
Electrical	Power, field wiring and protective earth
Communication	Address, network and companion configuration
Configuration	Switches, parameters, project and revision
Release	Controlled test with retained result

Configuration continuity

Retain the recorded Modicon Momentum position, connected interfaces and configuration baseline.

Acceptance evidence

Release 171CCC76010 only after diagnostics and a controlled functional result are recorded.

Technical resource bands

Only values tied to the complete product identity are listed. Installation-specific settings remain governed by the controlled site record.

PARAMETER	VALUE	PARAMETER	VALUE
Exact model	171CCC76010	I/O bus connections	1
Controller family	Modicon Momentum	I/O-bus data limit	256 input words / 256 output words
Adapter class	M1 processor adapter	IEC used-I/O limit	1408 points
Processor speed	32 MHz	Suggested replacement	171CBU78090
Modbus ports	1		

Identity decision

Accept only the complete 171CCC76010 marking and the recorded hardware execution.

Host decision

Confirm the receiving Modicon Momentum position and every companion component.

Interface decision

Compare mechanical fit, power, field wiring, communication and protective earth.

Release decision

Record diagnostics and a controlled test of Momentum control execution, Modbus communication and I/O-bus coordination before handover.

Engineering boundary

Use 171CCC76010 only after the exact host, installed position, companion parts, protection measures and commissioning record have been matched. Do not borrow ratings from a similar-looking variant.

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Controls and service logic

Momentum machine control

Executes a retained application on the matched I/O base.

Modbus device integration

Uses the documented serial communication port and parameters.

Local I/O expansion

Coordinates the retained Momentum I/O-bus map.

Legacy processor renewal

Preserves application, addressing and base-adapter identity during controlled replacement.

Service decision path

STEP	REQUIRED OUTCOME
1. Identify	Read 171CCC76010 and all companion markings
2. Compare	Host, position, connections, settings and revision
3. Install	Restore wiring, shielding, retention and protection
4. Verify	Review diagnostics and execute controlled function test

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Engineering decisions

What is Schneider Electric 171CCC76010?

It is a Modicon Momentum M1 processor adapter.

Which communication port does 171CCC76010 provide?

The exact product page identifies one Modbus port.

How many I/O-bus connections does 171CCC76010 provide?

It provides one I/O-bus connection.

What processor speed is listed for 171CCC76010?

The exact product page identifies a 32 MHz execution.

What I/O-bus data limit applies to 171CCC76010?

Schneider Electric documentation lists up to 256 input words and 256 output words on IObus.

What IEC used-I/O limit applies to 171CCC76010?

The documented IEC processor limit is 1408 used I/O points.

Related Apter Power pages

[Schneider Electric 140DDI35300 — View product page](#)

[Schneider Electric 140DAO84000 — View product page](#)

[Schneider Electric 140DAI75300 — View product page](#)

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