

Schneider Electric BMXP341000

PLC Processor / Exact identity and technical profile

The technical decision for BMXP341000 is controlled by its exact manufacturer identity, published characteristics and documented Modicon M340 boundary.

Racks	2
Discrete I/O capacity	512
Analog I/O capacity	128
Application-specific channels	20
Serial protocol	Modbus RTU/ASCII master or slave
Serial physical layers	RS232C and RS485

TECHNICAL MARKER

Archive the complete M340 application and data.

TECHNICAL MARKER

Record serial protocol, physical layer, address and baud rate.

TECHNICAL MARKER

Retain the two-rack module inventory and channel allocation.

TECHNICAL MARKER

Preserve memory-card identity and contents.

Technical boundary

The exact model and its published data govern this reference. Similar family names, suffixes or physical appearance do not establish the same electrical or software behavior.

Identity evidence	Read BMXP341000 from the installed label and procurement record
Function evidence	Confirm the published plc processor role in the Modicon M340 system
Configuration evidence	Retain the project, mapping, range, address or interface assigned to this position
Release evidence	Link final diagnostics to a witnessed field or operator response

TECHNICAL DECISION

Accept BMXP341000 only when its identifier and installed-system role agree.

CHANGE BOUNDARY

Any redesign beyond the documented BMXP341000 position requires separate engineering approval.

Schneider Electric BMXP341000

PLC Processor / Published characteristics

This matrix groups the published BMXP341000 characteristics that control identification, configuration and engineering review. Each entry remains tied to the exact plc processor record.

Racks	2
Discrete I/O capacity	512
Analog I/O capacity	128
Application-specific channels	20
Serial protocol	Modbus RTU/ASCII master or slave
Serial physical layers	RS232C and RS485
Serial rate	0.3 to 19.2 kbit/s
USB rate	12 Mbit/s
Communication modules	Up to 2 Ethernet or 2 AS-Interface modules
Modbus addresses	0 to 248
Internal RAM	2 MB
Program storage	Memory card support

INTERPRETATION

Use every BMXP341000 value with the exact installed configuration.

DESIGN RECORD

Retain the drawing, project and channel or interface assignments that make BMXP341000 data actionable.

Nameplate check	Manufacturer and full reference agree with the controlled record
Range check	Published operating or signal data agree with the configured use
Interface check	Backplane, terminal, cable, network or memory arrangement is documented
Limit check	Loading, channel count, supply or lifecycle constraint is reviewed
Evidence close	Source title and applicable product record are retained with the decision

NO BORROWED VALUES

Another Schneider Electric suffix cannot fill a missing BMXP341000 parameter.

ENGINEERING OUTPUT

Record the exact value used, its purpose and any unresolved item before selection.

Schneider Electric BMXP341000

PLC Processor / System role and data flow

M340 machine control

Executes the validated application across two racks.

Modbus serial integration

Communicates over configured RS232 or RS485 links.

Mixed I/O coordination

Supports the documented discrete and analog capacity.

Processor renewal

Restores project, memory card and serial settings together.

Signal and configuration path

Field layer	Sensors, loads, terminal or operator interface assigned by the design
Module layer	BMXP341000 performs its published plc processor role
Control layer	PLC project, address map or runtime application interprets the exchanged data
Acceptance layer	Diagnostics and intended process response are witnessed together

Engineering boundary

Application examples describe system roles only. They do not establish automatic interchangeability, replacement approval or suffix equivalence.

Observed input	Field, network or operator condition presented to BMXP341000
Published action	The documented plc processor function processes that condition
Configured interpretation	PLC logic, HMI project or station mapping assigns system meaning
Expected output	A defined state, value, message or command is produced
Acceptance proof	The complete path is witnessed under controlled conditions

APPLICATION RECORD

Tie each BMXP341000 use case to the installed drawing or project tag.

EXCEPTION CONTROL

Document and resolve any behavior that differs from the approved response.

Schneider Electric BMXP341000

PLC Processor / Engineering decisions

SUPPORTED IDENTITY

BMXP341000

PUBLISHED FUNCTION

PLC Processor

SYSTEM CONTEXT

Modicon M340

UNSUPPORTED INFERENCE

A nearby model, suffix or family resemblance

Model-specific questions

How many racks are documented for Schneider Electric BMXP341000?

The manufacturer record for BMXP341000 specifies 2. Preserve it through selection, installation and acceptance.

What manufacturer value is recorded for BMXP341000 analog i/o capacity?

The published BMXP341000 value is 128. The installed configuration must remain within that boundary.

Which serial protocol must be retained for Schneider Electric BMXP341000?

Record Modbus RTU/ASCII master or slave for BMXP341000 and verify the field arrangement against the controlled drawing or project.

What serial rate rating is specified for Schneider Electric BMXP341000?

BMXP341000 is documented with 0.3 to 19.2 kbit/s; this value belongs to the verified product configuration.

How does Schneider Electric define the discrete i/o capacity of BMXP341000?

Schneider Electric identifies the discrete i/o capacity as 512; keep that exact entry in the BMXP341000 record.

How many application-specific channels are documented for Schneider Electric BMXP341000?

For BMXP341000, the manufacturer states 20. Do not replace it with a nearby suffix value.

How does Schneider Electric define the serial physical layers of BMXP341000?

The exact-model source gives RS232C and RS485. Use it together with the actual BMXP341000 nameplate and installation record.

What usb rate rating is specified for Schneider Electric BMXP341000?

Use 12 Mbit/s as the BMXP341000 usb rate reference and resolve any field discrepancy before release.

Decision closeout

Close the BMXP341000 technical review with the exact identifier, applicable published limits and the installed configuration assumptions explicitly recorded.

Question coverage	Identity, function, configuration and field handling addressed
Open item	Any unanswered exact-model point is listed without guessed data
Decision owner	Responsible engineering or maintenance role identified
Supporting record	Drawing, project revision, readings and witnessed result attached

APPROVAL

The BMXP341000 decision is accepted only within the documented scope.

REVIEW TRIGGER

A different suffix, wiring arrangement, project or application requires a new review.

Schneider Electric BMXP341000

PLC Processor / Evidence and support

Exact product	Schneider Electric BMXP341000
Technical class	PLC Processor
Platform	Modicon M340
Evidence use	Exact-model characteristics and engineering boundary
Record with	Installed drawing, project and acceptance evidence
Retained evidence	Nameplate, source title, configuration baseline and field record
Installation evidence	Isolation, conductor/connector record and post-work inspection
Commissioning evidence	Diagnostics, measurements and intended response
Final record	Responsible witness, date, exceptions and approved disposition

VERIFIED APTER POWER CATALOG REFERENCES

Navigation only; compatibility, substitution and manufacturer endorsement are not implied.

Schneider Electric TSXLES65

[View Schneider Electric TSXLES65 page](#)

Schneider Electric TSXP4720

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MANUFACTURER EVIDENCE RECORD

Schneider Electric BMXP341000 Product Data Sheet and M340 Catalogue

Exact processor capacity and communication characteristics

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Send the exact model, quantity, destination and requested condition for a quotation.

