

Schneider Electric TCSEGDB23F24FA

Network Proxy / Exact identity and technical profile

The technical decision for TCSEGDB23F24FA is controlled by its exact manufacturer identity, published characteristics and documented Modicon X80 boundary.

Gateway function	Ethernet Modbus TCP to Modbus Plus
Compatible controllers	Modicon M340 and M580
Modbus Plus rate	1 Mbit/s
Ethernet rate	10/100 Mbit/s
Server devices	Up to 128
Ethernet interfaces	2 RJ45 ports

TECHNICAL MARKER

Preserve both Ethernet and both Modbus Plus connections.

TECHNICAL MARKER

Retain IP addressing, Modbus Plus nodes and scanner mapping.

TECHNICAL MARKER

Back up proxy configuration and FDR-related settings.

TECHNICAL MARKER

Confirm the 24 V DC external supply before commissioning.

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 TCSEGDB23F24FA from the installed label and procurement record
Function evidence	Confirm the published network proxy role in the Modicon X80 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 TCSEGDB23F24FA only when its identifier and installed-system role agree.

CHANGE BOUNDARY

Any redesign beyond the documented TCSEGDB23F24FA position requires separate engineering approval.

Schneider Electric TCSEGDB23F24FA

Network Proxy / Published characteristics

This matrix groups the published TCSEGDB23F24FA characteristics that control identification, configuration and engineering review. Each entry remains tied to the exact network proxy record.

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Compatible controllers	Modicon M340 and M580
Modbus Plus rate	1 Mbit/s
Ethernet rate	10/100 Mbit/s
Server devices	Up to 128
Ethernet interfaces	2 RJ45 ports
Modbus Plus interfaces	2 SUB-D 9 ports
Network services	Messaging, FDR, SNMP, Global Data and Peer Cop
External supply	24 V DC
Current consumption	300 mA
Operating temperature	0 to 60 degrees C
Operating altitude	Up to 2000 m

INTERPRETATION

Use every TCSEGDB23F24FA value with the exact installed configuration.

DESIGN RECORD

Retain the drawing, project and channel or interface assignments that make TCSEGDB23F24FA 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 TCSEGDB23F24FA parameter.

ENGINEERING OUTPUT

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

Schneider Electric TCSEGDB23F24FA

Network Proxy / System role and data flow

M340 migration bridge
Connects an M340 application to existing Modbus Plus devices.

M580 legacy integration
Maintains access to a documented Modbus Plus segment.

Network diagnostics
Provides configured status and SNMP services.

Proxy replacement
Restores the exact mapping and four physical network interfaces.

Signal and configuration path

Field layer	Sensors, loads, terminal or operator interface assigned by the design
Module layer	TCSEGDB23F24FA performs its published network proxy 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 TCSEGDB23F24FA
Published action	The documented network proxy 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 TCSEGDB23F24FA use case to the installed drawing or project tag.

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

Schneider Electric TCSEGDB23F24FA

Network Proxy / Engineering decisions

SUPPORTED IDENTITY

TCSEGDB23F24FA

PUBLISHED FUNCTION

Network Proxy

SYSTEM CONTEXT

Modicon X80

UNSUPPORTED INFERENCE

A nearby model, suffix or family resemblance

Model-specific questions

What device identity or role does Schneider Electric TCSEGDB23F24FA publish?

Use Ethernet Modbus TCP to Modbus Plus as the TCSEGDB23F24FA gateway function reference and resolve any field discrepancy before release.

What modbus plus rate rating is specified for Schneider Electric TCSEGDB23F24FA?

Schneider Electric identifies the modbus plus rate as 1 Mbit/s; keep that exact entry in the TCSEGDB23F24FA record.

How many server devices are documented for Schneider Electric TCSEGDB23F24FA?

For TCSEGDB23F24FA, the manufacturer states Up to 128. Do not replace it with a nearby suffix value.

Which modbus plus interfaces configuration belongs to Schneider Electric TCSEGDB23F24FA?

The exact-model source gives 2 SUB-D 9 ports. Use it together with the actual TCSEGDB23F24FA nameplate and installation record.

Which compatible controllers is associated with Schneider Electric TCSEGDB23F24FA?

The manufacturer record for TCSEGDB23F24FA specifies Modicon M340 and M580. Preserve it through selection, installation and acceptance.

What ethernet rate rating is specified for Schneider Electric TCSEGDB23F24FA?

The published TCSEGDB23F24FA value is 10/100 Mbit/s. The installed configuration must remain within that boundary.

Which ethernet interfaces configuration belongs to Schneider Electric TCSEGDB23F24FA?

Record 2 RJ45 ports for TCSEGDB23F24FA and verify the field arrangement against the controlled drawing or project.

What manufacturer value is recorded for TCSEGDB23F24FA network services?

TCSEGDB23F24FA is documented with Messaging, FDR, SNMP, Global Data and Peer Cop; this value belongs to the verified product configuration.

Decision closeout

Close the TCSEGDB23F24FA 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 TCSEGDB23F24FA decision is accepted only within the documented scope.

REVIEW TRIGGER

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

Schneider Electric TCSEGDB23F24FA

Network Proxy / Evidence and support

Exact product	Schneider Electric TCSEGDB23F24FA
Technical class	Network Proxy
Platform	Modicon X80
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 140CPU67160

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Schneider Electric 140CPU43412U

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MANUFACTURER EVIDENCE RECORD

Schneider Electric TCSEGDB23F24FA Product Data and User Guide

Exact Modbus Plus proxy characteristics and configuration guidance

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

