CM592-DP 1SAP173200R0001

AC500 PROFIBUS DP Master Communication Module

ABB CM592-DP 1SAP173200R0001 AC500 PROFIBUS DP Master Communication Module with exact-model technical data, controlled replacement guidance and product-specific verification records.

CM592-DP 1SAP173200R0001 configuration dashboard

PROFIBUS master control

The module manages DP V0/V1 fieldbus communication from an AC500 controller.

Nine-pin bus interface

Connector, shield, termination and segment layout follow the installed PROFIBUS design.

Project-held station map

Slave addresses, GSD data, diagnostics and cycle settings are restored from the approved AC500 project.

Exact order-code identity

Complete product reference	CM592-DP 1SAP173200R0001
Product type	AC500 PROFIBUS DP Master Communication Module
System platform	ABB AC500 PLC
Type designation	CM592-DP
Order code	1SAP173200R0001
Protocol	PROFIBUS DP V0/V1
Network role	Master
Physical connection	9-pin D-Sub

ABB lists CM592-DP order code 1SAP173200R0001 as an AC500 PROFIBUS DP V0/V1 master communication module with a 9-pin D-Sub connection.

AC500 PROFIBUS DP Master Communication Module technical capability map

PLC platform	AC500
Hot-swap I/O context	S500 I/O application
Module class	Communication module
Replacement basis	Complete marking and installed-system evidence

Remote I/O support	S500 and S500-eCo families as documented
Manufacturer catalog weight	0.092 kg
Selection boundary	CPU compatibility, project and bus parameters

Installed signal or connection path



System interpretation boundary

Compatibility depends on the installed AC500 CPU, firmware, project version and remote-I/O arrangement. The module is not equivalent to the CM582-DP slave execution.

Before replacement, export the controller project and bus configuration. After fitting, confirm master startup, slave recognition, diagnostic state and representative I/O transfer.

Application fit decisions for CM592-DP 1SAP173200R0001

PROFIBUS DP master control

Coordinate documented remote I/O and field devices from an AC500 CPU.

S500 remote I/O

Support the approved PROFIBUS remote-I/O arrangement.

Fieldbus diagnostics

Use master and slave diagnostics to locate addressing, cable and device faults.

AC500 retrofit service

Retain CPU compatibility, project, GSD files and bus timing.

Engineering decision matrix

How is the master role of CM592-DP 1SAP173200R0001 distinguished from a PROFIBUS slave module?	Confirm the CM592-DP type and 1SAP173200R0001 order code; do not substitute the CM582-DP slave execution.

Which AC500 compatibility checks are required for CM592-DP 1SAP173200R0001?	Verify the installed CPU, firmware, engineering project and supported communication-module arrangement before fitting the module.
How should GSD and station data be managed for CM592-DP 1SAP173200R0001?	Retain the approved device descriptions, slave addresses, module configuration and diagnostic mapping in the AC500 project.
What DP V0/V1 functions should be checked after installing CM592-DP 1SAP173200R0001?	Verify cyclic data exchange first, then confirm any configured parameterization, diagnostics or acyclic services used by the project.

Applications must be evaluated against the exact installed machine drawing, target, companion hardware and receiving channel. Related product references do not imply substitution.

CM592-DP 1SAP173200R0001 service controls and maintenance logic

Confirm the master execution

Match CM592-DP and 1SAP173200R0001, not the slave variant.

Back up the AC500 project

Retain GSD files, slave map, addresses and diagnostics.

Inspect the 9-pin interface

Check pinning, shield bonding and termination.

Verify CPU compatibility

Match CPU, firmware and supported module arrangement.

Commission slaves in order

Confirm each address reaches data exchange before enabling outputs.

Retain the diagnostic record

Save final master and slave status with representative I/O results.

Additional technical questions

How should baud rate and station addressing be verified for CM592-DP 1SAP173200R0001?	Compare the project settings with the installed segment and every slave before enabling field outputs.
What connector checks apply to the 9-pin interface on CM592-DP 1SAP173200R0001?	Inspect pin assignment, shield bonding, termination and segment continuity against the approved PROFIBUS installation.
How can a slave dropout be isolated when using CM592-DP 1SAP173200R0001?	Review master diagnostics, identify the affected address, then separate cable, termination, slave power and configuration causes.
What proves successful commissioning of CM592-DP 1SAP173200R0001?	All configured slaves must reach data exchange with expected diagnostics and representative I/O must match the controller project.

Technical notes

Exact identity	CM592-DP 1SAP173200R0001
Documented function	AC500 PROFIBUS DP Master Communication Module
Technical evidence	ABB PLC Automation Main Catalog, communication-module ordering data
Verification boundary	Confirm the complete marking and installed ABB AC500 PLC arrangement before selection

CM592-DP 1SAP173200R0001 source record and supported references

Manufacturer reference	ABB PLC Automation Main Catalog, communication-module ordering data
Applicability	Facts are limited to the exact order-code selections and stated matched-system conditions.
Public page	Exact product page linked from the first-page model title
Evidence boundary	No neighboring-model option or unsupported lifecycle conclusion is assigned to this product.

Verified related product references and contact

Recommended product	ABB DSQC406 3HAC035301-001
Recommended product	ABB DSQC604 3HAC12928-1
Recommended product	ABB DSQC608 3HAC12934-1
Recommended product	ABB DSQC611 3HAC13389-2
Recommended product	ABB DSQC652 3HAC025917-001

Discuss the exact marking and installed relationship with Apter Power.
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