

ABB 1SAP140500R0271 PM585-ETH

Installation & Verification Reference

Modular PLC execution, I/O coordination and industrial communication



ABB product / lookup identity	1SAP140500R0271
Document scope	Independent Apter Power reference compiled only from the cited ABB public sources.
Image policy	No product photograph is included in this document.



Apter Power product page

<https://www.apterpower.com/ABB/1sap140500r0271-pm585-eth>

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Before work begins

This checklist does not replace the current ABB host-equipment manual. It separates published facts from project-specific information that must be verified on the installed system.

1	Match the complete R0271 order code and confirm that the CPU is not the R0379 PM585-MC-KIT.
2	Use an R0270 Ethernet terminal base: TB511-ETH, TB521-ETH or TB541-ETH.
3	Confirm the 24 V DC supply and terminal-base wiring against the current ABB hardware manual.
4	Plan I/O in Automation Builder; do not treat AC500 architecture limits as onboard channel counts.
5	Back up the application and parameter set before replacement or firmware work.
6	Verify firmware, communication-module and remote-I/O compatibility before commissioning.

Identity controls

Official parameter	Published value
Complete code	ISAPI40500R0271
Model / lookup label	PM585-ETH
Documented role	AC500 V2 processor module
Canonical product page	https://www.apterpower.com/ABB/Isap140500r0271-pm585-eth

Signal and component verification

1	Field sensors and actuators terminate on compatible S500/S500-eCo or remote I/O.
2	The CPU exchanges digital and analog process data across the local I/O bus, CS31 or configured fieldbus.
3	The 400 MHz processor executes cyclic, time-controlled or multitasking PLC logic.
4	Control results return to the configured output modules and connected plant equipment.

System context

TB511-ETH ISAP111100R0270	TB521-ETH ISAP112100R0270
TB541-ETH ISAP114100R0270	S500 and S500-eCo local I/O
ABB Automation Builder	Compatible remote I/O and communication modules

Release decision

Release the equipment for installation or commissioning only after the complete ABB identity, host-system documentation, connector assignments, supply conditions and applicable lifecycle or migration instructions have been checked. Unpublished values must not be inferred from similar ABB revisions.

Official ABB sources

ABB product record	https://www.abb.com/global/en/products/isap140500r0271
PM57x/PM58x/PM59x Data Sheet, Rev. 14	https://library.e.abb.com/public/c96a58917c6c4a3c83c9b9ca68281fae/3ADR010064%2C%2014%2C%20en-US%2C%20PM57x_PM58x_PM59x_Data_Sheet.pdf



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