

ABB AC500 PLC SYSTEMS

Product Data Sheet

1SAP140500R0271 PM585-ETH

AC500 Ethernet programmable controller

FUNCTION	FAMILY	ORIGIN	WEIGHT
AC500 Ethernet programmable controller	ABB AC500 PLC systems	Switzerland	0.50 kg

ABB Advant AC500 1SAP140500R0271 PM585-ETH is a AC500 Ethernet programmable controller for the ABB AC500 PLC systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Exact Article Code	1SAP140500R0271 PM585-ETH
Product Class	Ac500 Ethernet Programmable Controller
Product Family	ABB AC500 PLC systems
Program Memory	4 MB
Supply Voltage	24 V DC
Digital Inputs	8 integrated class
Digital Outputs	8 integrated class (Digital Outputs)
Ethernet	Integrated
Serial Interface	RS-485
Programming	Automation Builder

Cycle Time	Sub-millisecond Boolean processing
Mounting	DIN rail
System Bus	AC500 I/O bus

- Support remote pump-station communication during station duty change: In the automation chain for the pump PLCs, radios and supervisory servers, 1SAP140500R0271 PM585-ETH handles its designated signal or control duty as a AC500 Ethernet programmable controller. During station duty change, the system uses this function to exchange commands, status and alarm data with the remote station, helping it retain coordinated pump operation.
- Monitor filling-line communication with Ac500 Ethernet: At the control layer of the fillers, checkweighers and line controllers, 1SAP140500R0271 PM585-ETH handles its designated signal or control duty as a AC500 Ethernet programmable controller. During line-speed change, the system uses this function to carry cyclic control and diagnostic traffic between line devices, helping it keep filling and inspection events synchronized.
- Balance robot-cell networking with Ac500 Ethernet: During operation of the robot controllers, safety devices and PLCs, 1SAP140500R0271 PM585-ETH handles its designated signal or control duty as a AC500 Ethernet programmable controller. During model change, the system uses this function to exchange interlocks and production status across the cell, helping it start the correct joining sequence.

Match 1SAP140500R0271 PM585-ETH to the installed ABB AC500 PLC systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[ABB official product documentation and manufacturer catalog](#)