

ABB AC500 PLC SYSTEMS

Product Data Sheet

1SAP121200R0071 PM556-TP-ETH

AC500 Ethernet programmable controller

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

ABB Advant AC500 1SAP121200R0071 PM556-TP-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	1SAP121200R0071 PM556-TP-ETH
Product Class	Ac500 Ethernet Programmable Controller
Product Family	ABB AC500 PLC systems
Program Memory	512 KB
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

ADDITIONAL PRODUCT DATA

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

OFFICIAL APPLICATIONS

- Maintain cold-storage connectivity during refrigeration duty change: At the control layer of the refrigeration controllers and supervisory stations, 1SAP121200R0071 PM556-TP-ETH operates in its approved product-family role as a AC500 Ethernet programmable controller. During refrigeration duty change, the system uses this function to maintain controller and monitoring communication across the utility network, helping it preserve visibility of temperatures and equipment states.
- Synchronize conveyor-control networking during routing-table update: As part of the zone controllers, scanners and merge stations, 1SAP121200R0071 PM556-TP-ETH handles its designated signal or control duty as a AC500 Ethernet programmable controller. During routing-table update, the system uses this function to exchange destination and congestion status between conveyor zones, helping it move material without losing its route.
- Balance plant-data uplink with Ac500 Ethernet: During operation of the control servers, historians and reporting systems, 1SAP121200R0071 PM556-TP-ETH handles its designated signal or control duty as a AC500 Ethernet programmable controller. During scheduled data collection, the system uses this function to separate reporting traffic from the control network, helping it deliver operating records without delaying control messages.

SYSTEM COMPATIBILITY

Match 1SAP121200R0071 PM556-TP-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.

OFFICIAL SOURCES

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

AMIKON PRODUCT SUPPORT

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