

ABB AC500 PLC SYSTEMS

Product Data Sheet

1SAP120600R0001 PM554-TP

AC500 programmable logic controller

FUNCTION AC500 programmable logic controller	FAMILY ABB AC500 PLC systems	ORIGIN Switzerland	WEIGHT 0.50 kg
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ABB Advant AC500 1SAP120600R0001 PM554-TP is a AC500 programmable logic 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	1SAP120600R0001 PM554-TP
Product Class	Ac500 Programmable Logic Controller
Product Family	ABB AC500 PLC systems
Program Memory	128 KB
Supply Voltage	24 V DC
Digital Inputs	8 integrated class
Digital Outputs	8 integrated class (Digital Outputs)
Ethernet	Expansion interface
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

- Manage chemical dosing with Ac500 Programmable: During operation of the metering pumps and contact tanks, 1SAP120600R0001 PM554-TP operates in its approved product-family role as a AC500 programmable logic controller. During dose-setpoint correction, the system uses this function to match reagent flow to the measured process load, helping it keep treatment chemistry inside its operating target.
- Maintain clean-in-place transfer with Ac500 Programmable: Within the CIP supply and return headers, 1SAP120600R0001 PM554-TP serves its documented function as a AC500 programmable logic controller. During sanitation transition, the system uses this function to coordinate valve paths and pump availability, helping it complete sanitation without cross-routing product.
- Sequence boiler feedwater with Ac500 Programmable: In the automation chain for the feed pumps and drum-level loops, 1SAP120600R0001 PM554-TP performs its assigned control role as a AC500 programmable logic controller. During protective transfer, the system uses this function to balance flow demand with process inventory, helping it preserve the steam-water balance.

SYSTEM COMPATIBILITY

Match 1SAP120600R0001 PM554-TP 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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