AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

PD501

S500 Four-Channel Positioning Module

TYPE	REFERENCE	FAMILY	SCOPE
S500 Four-Channel Positioning Module	**PD501**	**AC500 / S500**	**Exact-model data**

ABB PD501 is the S500 four-channel positioning module identified as PD501-4CH under order code 1SAP260100R3001. It combines bidirectional outputs for 24 V DC motors with one analog position feedback input per axis, so the channels can command motion and read position.

01 DOCUMENTED PRODUCT REFERENCE

Motor output channels	4
Analog feedback inputs	4
Sensor supply outputs	1
Motor output topology	Transistor full H bridge
Motor output rating	24 V DC, 4 A
Analog input range	0-10 V
Analog input error at 25 °C	0.5%
Analog input resolution	12 bit

Manufacturer data summarized for the identified model and stated conditions.

02 TECHNICAL DATA

Sensor supply voltage	10 V DC
Sensor supply accuracy	0.1%
Maximum sensor supply load	90 mA
Sensor supply overload protection	Provided
Nominal process voltage UP	24 V DC
Motor output isolation groups	Groups of 2 outputs
Analog-to-digital isolation	Provided

03 APPLICATION AND CONFIGURATION

- Confirm article 1SAP260100R3001
- Match motor and analog feedback circuits
- Check 10 V sensor supply load
- Review isolation groups before rewiring
- Use the applicable manufacturer safety and installation instructions.

04 OFFICIAL DOCUMENTATION

ABB PLC Automation Main Catalog, 3ADR020077C0204 Rev C

ABB PLC Automation Main Catalog, printed page 109; ABB Declaration 1SAA960006-4406 for order code and designation.

Independently prepared Amikon reference summary, not an original manufacturer manual. Ratings apply only under their documented conditions. Confirm the supplied marking and approved configuration before selection, installation or replacement.

AMIKON PRODUCT SUPPORT

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