MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Amikon cover with selected official ABB reference pages

AC500 / S500 / 1SAP260100R3001

PD501

S500 FOUR-CHANNEL POSITIONING MODULE

OFFICIAL SOURCES

ABB 3ADR020077C0204 Rev C. Selected catalogue pages retain their original content and proportions.

MAIN CATALOG

PLC Automation

PLCs, Control Panels, Engineering Suite
AC500, CP600, Automation Builder



AC500
Technical data

Positioning module PD501-4CH
The module is intended for positioning with 24 V DC motors. The movement of 4 motors can be controlled in forward and reverse direction. One analog input per axis is provided to read back the position.

Type	PD501-4CH
Number of channels per module	
Digital outputs	4
Analog inputs	4
Sensor supply output	1
Digital outputs	
Type of outputs	Full H bridge with transistor
Rating of outputs	24 V DC, 4 A
Analog inputs	
Input type	Voltage
Input range	0 to 10 V
Error at 25°C	0.5 %
Resolution	12 bit
Sensor supply output	
Output voltage	10 V DC
Accuracy	0.1 %
Max. load current	90 mA
Overload protection	●
Process voltage UP	
Nominal voltage	24 V DC
Potential isolation	
Per module	●
Between digital output channels	In groups of 2 outputs
Between analog and digital channels	●