

AC500 S500 I/O MODULES

Product Data Sheet

DC523 1SAP240500R0001

configurable digital I/O module

FUNCTION configurable digital I/O module	FAMILY AC500 S500 I/O modules	ORIGIN Germany	WEIGHT 0.10 kg
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ABB Advant AC500 DC523 1SAP240500R0001 is a configurable digital I/O module for the AC500 S500 I/O modules. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Configurable Digital I/O	24 channels
Input Current	5 mA
Input Voltage Range	0 to 30 V DC
Input Delay	0.1 to 32 ms
Output Technology	Transistor
Output Rating	24 V DC, 0.5 A
Output Voltage Range	20.4 to 28.8 V DC
Hardware Counters	2
Counter Frequency	50 kHz maximum
Operating Temperature	0 to +60 °C

ADDITIONAL PRODUCT DATA

Storage Temperature	-40 to +70 °C
Protection Degree	IP20
Mounting Rail	TH35-15

OFFICIAL APPLICATIONS

- Pump station remote I/O: Distributed I/O Systems
- Batch unit signal cabinets: Process I/O Systems
- Packaging line machine panels: Machine I/O Systems

SYSTEM COMPATIBILITY

Match DC523 1SAP240500R0001 to the installed AC500 S500 I/O modules, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[ABB official manufacturer documentation](#)

AMIKON PRODUCT SUPPORT

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