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 PRODUCT-DETAILS

## DA501

Digital/analog I/O module. 16 DI: 24VDC. 4 AI: U, I, RTD. 2 AO: U, I. 8 configurable DI/DO: 24VDC 0.5A (DA501)




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### General Information

Extended Product Type	DA501
Product ID	1SAP250700R0001
ABB Type Designation	DA501
EAN	4016779681094
Catalog Description	Digital/analog I/O module. 16 DI: 24VDC. 4 AI: U, I, RTD. 2 AO: U, I. 8 configurable DI/DO: 24VDC 0.5A (DA501)
Long Description	DA501: S500 Digital/analog I/O module. 16 DI: 24VDC. 4 AI: U, I, RTD. 2 AO: U, I. 8 configurable DI/DO: 24VDC 0.5A. 1-wire.

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### Ordering

CN8	85389091
Invoice Description	Digital/analog I/O module. 16 DI: 24VDC. 4 AI: U, I, RTD. 2 AO: U, I. 8 configurable DI/DO: 24VDC 0.5A (DA501)
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece

## Dimensions

Product Net Weight	0.121 kg
Product Net Depth / Length	62 mm
Product Net Height	76 mm
Product Net Width	67.5 mm
Gross Weight	0.145 kg
Package Level 1 Depth / Length	84 mm
Package Level 1 Height	72 mm
Package Level 1 Width	71 mm
Package Level 1 Units	1 carton

## Certificates and Declarations

Declaration of Conformity - CE	3ADR980140
REACH Date	20241206
REACH Declaration	3ADR980139
REACH Information	True - contains substances > 0.1 mass percentage
RoHS Date	2010
RoHS Information	3ADR980140
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

## Technical

Function	16 DI: 24VDC. 4 AI: U, I, RTD. 2 AO: U, I. 8 configurable DI/DO: 24VDC 0.5A
Analog Inputs	4
Input Signal	U, I, RTD, DI
Analog Outputs	2
Output Signal	U, I
Resolution	Analog Input 13 bit Analog Output 13 bit
Number of Digital Inputs	16
Number of Digital Configurable I/Os	8
Input Voltage Type	DC
Input Voltage ( $U_{in}$ )	24 V DC
Input Current	5 mA
Maximum Input Voltage	30 V
Delay Time (T)	0.1 ... 32 ms
Output	Transistor
Output Voltage Type	DC
Output Voltage ( $U_{out}$ )	24 V DC
Output Current	0.5 A
Degree of Protection	Housing IP20
Rated Voltage ( $U_r$ )	24 V DC
Supply Voltage	Rated 24 V DC Range 20.4 ... 28.8 V DC
Ambient Air Temperature	Operation 0 ... +60 °C Storage -40 ... +70 °C

**Additional Information**

Product Main Type	DA501
Product Name	Distributed Automation I/Os

**External Classifications and Standards**

eClass	27-24-22-02
ETIM 8	EC001421 - PLC analogue/digital I/O-module
ETIM 9	EC001421 - PLC analogue/digital I/O-module
ETIM 10	EC001421 - PLC analogue/digital I/O-module
UNSPSC	32151705

**Environmental**

SCIP	1fc7f915-57ff-434f-8915-10ff0f449771 Germany
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

**Where Used (as part of "kit")**

Identifier	Description	Type
1SAP182400R0002	Training case. With: PM585-ETH, TB521-ETH, CM579-PNIO, DA501, CI502-PNIO, CP6607, Case, Power adapter (TA515-CASE)	Kit
1SAP187700R0001	Training case. With: PM5630-2ETH, TB5620-2ETH, CM579-PNIO, DA501, CI502-PNIO, CP6607, Case, Power adapter (TA5450-CASE)	Kit

**Categories**

PLC Automation → Programmable Logic Controllers PLCs → AC500 → S500 I/O modules

