

# AI531

## General Information

<b>Extended Product Type:</b>	AI531
<b>Product ID:</b>	1SAP250600R0001
<b>ABB Type Designation:</b>	AI531
<b>EAN:</b>	4016779667227
<b>Catalog Description:</b>	AI531:S500,Analog Input Module 8AI, U/I/RTD Thermocoupler J,K,T,N,S,15bit+sign 24VDC,2/4-wire
<b>Long Description:</b>	AI531:S500,Analog Inp.Module 8AI,U/I/RTD Thermocoupler J,K,T,N,S,15bit+sign 24VDC,2/4-wire

## Categories

Products » Low Voltage Products and Systems » Control Products » Programmable Logic Controllers PLCs » Distributed Automation I/Os

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

## Ordering

<b>EAN:</b>	4016779667227
<b>Minimum Order Quantity:</b>	1 piece
<b>Customs Tariff Number:</b>	85389091

## Dimensions

<b>Product Net Width:</b>	67.5 mm
<b>Product Net Height:</b>	76 mm
<b>Product Net Length:</b>	62 mm
<b>Product Net Weight:</b>	0.13 kg

## Environmental

<b>Ambient Air Temperature:</b>	Operation 0 ... +60 °C Storage -40 ... +70 °C
<b>Maximum Operating Altitude Permissible:</b>	2000 m
<b>RoHS Status:</b>	Following EU Directive 2002/95/EC August 18, 2005 and amendment

## Additional Information

<b>Analog Inputs:</b>	8 channels, 0 ... 20mA, 4 ... 20mA, -20 ... +20mA, 0 ... 5V, 0 ... 10V, -50 ... +50mV, -500 ... +500mV, -1 ... +1V, -5 ... +5V, -10 ... +10V, PT100, PT1000, NI1000, Cu50, 0 ... 50kOhm, Strain Gauge, Thermocouple J, K, T, N, S and usable as DI, 15bit + sign
<b>Degree of Protection:</b>	IP20
<b>I/O Option:</b>	IO module with Onboard IO - 8AI
<b>Mounting on DIN Rail:</b>	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715
<b>Mounting Position:</b>	Horizontal, Vertical possible with derating
<b>Order Multiple:</b>	1 piece
<b>Power Supply:</b>	24 V DC

<b>Primary Voltage:</b>	24 V DC
<b>Product Main Type:</b>	AI531
<b>Product Name:</b>	Distributed Automation I/Os
<b>Programming Software:</b>	AC500 Control Builder PS501-PROG
<b>RoHS Date:</b>	0269
<b>Secondary Current:</b>	0.2 A
<b>Serial Port 2 Type:</b>	I/O-Bus
<b>Supply Voltage:</b>	24 V DC

## Certificates and Declarations (Document Number)

<b>ABS Certificate:</b>	<a href="#"><u>1SAA960002-0106</u></a>
<b>BV Certificate:</b>	<a href="#"><u>1SAA960003-0204</u></a>
<b>CSA Certificate:</b>	<a href="#"><u>1SAA960000-1712</u></a>
<b>cUL Certificate:</b>	<a href="#"><u>1SAA960000-1712</u></a>
<b>cULus Certificate:</b>	<a href="#"><u>1SAA960000-1712</u></a>
<b>Data Sheet, Technical Information:</b>	<a href="#"><u>2CDC125002B0206</u></a>
<b>Declaration of Conformity - CE:</b>	<a href="#"><u>1SAD938504-0166</u></a>
<b>Declaration of Conformity - C-Tick:</b>	<a href="#"><u>1SAA960000-3302</u></a>
<b>Declaration of Conformity - KCC:</b>	<a href="#"><u>1SAA960001-4801</u></a>
<b>DNV Certificate:</b>	<a href="#"><u>1SAA960002-0306</u></a>
<b>Environmental Information:</b>	<a href="#"><u>1SAA960009-2405</u></a>
<b>GL Certificate:</b>	<a href="#"><u>1SAA960004-0409</u></a>
<b>GOST Certificate:</b>	<a href="#"><u>1SAA962000-2703</u></a>
<b>Instructions and Manuals:</b>	<a href="#"><u>2CDC125080M0202</u></a>
<b>LR Certificate:</b>	<a href="#"><u>1SAA960002-0506</u></a>
<b>RINA Certificate:</b>	<a href="#"><u>1SAA960003-0807</u></a>
<b>RMRS Certificate:</b>	<a href="#"><u>1SAA960001-0706</u></a>
<b>RoHS Information:</b>	<a href="#"><u>1SAA960006-4410</u></a>
<b>UL Certificate:</b>	<a href="#"><u>1SAA960000-1612</u></a>

## Classifications

<b>E-nummer:</b>	4517231
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