

## General Information

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

EAN:	4016779667227
Minimum Order Quantity:	1.000 piece
Customs Tariff Number:	85389091

## Dimensions

Product Net Width:	68.0 mm
Product Net Height:	76.0 mm
Product Net Length:	63.0 mm
Product Net Depth:	63 mm
Product Net Weight:	0.130 kg

## Environmental

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

## Additional Information

Analog Inputs:	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
Degree of Protection:	IP20
I/O Option:	IO module with Onboard IO - 8AI
IIT Publishing Status:	Level 0 - Information enabled
Mounting on DIN Rail:	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715
Mounting Position:	Horizontal, Vertical possible with derating
Order Multiple:	1.000 piece
Power Supply:	24 V DC
Primary Voltage:	24 V DC
Product Main Type:	AI531
Product Name:	Distributed Automation I/Os
Programming Software:	AC500 Control Builder PS501-PROG
RoHS Date:	0269
Secondary Current:	0.2 A
Serial Port 2 Type:	I/O-Bus
Supply Voltage:	24 V DC

## Certificates and Declarations (Document Number)

ABS Certificate:	1SAA960002-0105;
BV Certificate:	1SAA960003-0203;
CSA Certificate:	1SAA960000-1709;
cUL Certificate:	1SAA960000-1709;
cULus Certificate:	1SAA960000-1709
Declaration of Conformity - CE:	1SAD938503-0166;
Declaration of Conformity - C-Tick:	1SAA960000-3302;
Declaration of Conformity - KCC:	1SAA960001-4801;
DNV Certificate:	1SAA960002-0305;
GL Certificate:	1SAA960004-0407;

GOST Certificate: 1SAA962000-2703;  
LR Certificate: 1SAA960002-0505;  
RINA Certificate: 1SAA960003-0807;  
RMRS Certificate: 1SAA960001-0705;  
UL Certificate: 1SAA960000-1609;

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### Classifications

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E-nummer: 4517231

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