



PRODUCT-DETAILS

AI523

Analog input module. 16 AI: U, I, RTD, DI (AI523)



General Information	
Extended Product Type	AI523
Product ID	1SAP250300R0001
ABB Type Designation	AI523
EAN	4016779655941
Catalog Description	Analog input module. 16 AI: U, I, RTD, DI (AI523)
Long Description	AI523: S500 Analog input module. 16 AI: U, I, RTD, DI. 13Bit incl. sign. 1-wire.

Ordering	
CN8	85389091
Invoice Description	Analog input module. 16 AI: U, I, RTD, DI (AI523)
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece

Dimensions

Product Net Weight	0.125 kg
Product Net Depth / Length	62 mm
Product Net Height	76 mm
Product Net Width	67.5 mm
Gross Weight	0.149 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
SCIP	7cb90025-28e2-46bb-94d1-6c5d380058b3 Germany
RoHS Date	2011
RoHS Declaration	3ADR980140
RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Technical

Function	16 AI: U, I, RTD, DI
Number of Analog Configurable I/Os	0
Analog Inputs	16
Input Signal	U, I, RTD, DI
Resolution	Analog Input 13 bit
Degree of Protection	Housing IP20
Supply Voltage	24 V DC
Ambient Air Temperature	Operation 0 ... +60 °C Storage -40 ... +70 °C

Additional Information

Product Main Type	AI523
Product Name	Distributed Automation I/Os

External Classifications and Standards

eClass	27-24-22-02
ETIM 8	EC001420 - PLC analogue I/O-module
ETIM 9	EC001420 - PLC analogue I/O-module
ETIM 10	EC001420 - PLC analogue I/O-module
UNSPSC	32151705

Environmental	
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

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

