



PRODUCT-DETAILS

DI581-S

Digital input module. Safety. 16SDI, 16SDI SIL2/ 8SDI SIL3, 24VDC, 1-wire, 8 pulse output (DI581-S)



General Information	
Extended Product Type	DI581-S
Product ID	1SAP284000R0001
ABB Type Designation	DI581-S
EAN	4016779681797
Catalog Description	Digital input module. Safety. 16SDI, 16SDI SIL2/ 8SDI SIL3, 24VDC, 1-wire, 8 pulse output (DI581-S)
Long Description	DI581-S: S500-S Digital input module. Safety. 16SDI, 16SDI SIL2/ 8SDI SIL3, 24VDC, 1-wire, 8 pulse output.

Ordering	
CN8	85389091
Invoice Description	Digital input module. Safety. 16SDI, 16SDI SIL2/ 8SDI SIL3, 24VDC, 1-wire, 8 pulse output (DI581-S)
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece

Dimensions

Product Net Weight	0.122 kg
Product Net Depth / Length	62 mm
Product Net Height	76 mm
Product Net Width	67.5 mm
Gross Weight	0.151 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	3ADR980142
REACH Date	20241206
REACH Declaration	3ADR980139
REACH Information	True - contains substances > 0.1 mass percentage
SCIP	34c5ffa9-2ff5-4778-8ac9-e57fb41dd664 Germany
RoHS Date	2011
RoHS Declaration	3ADR980142
RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Technical

Function	Safety. 16SDI, 16SDI SIL2/ 8SDI SIL3, 24VDC, 1-wire, 8 pulse output
Number of Digital Inputs	16
Number of Digital Configurable I/Os	0
Input Voltage Type	DC
Input Current	7 mA
Maximum Input Voltage	0 ... 30 V
Delay Time (T)	1 ... 500 ms
Degree of Protection	IP20
Safety Integrity Level (SIL)	2

Additional Information

Product Main Type	DI581
Product Name	Distributed Automation I/Os

External Classifications and Standards

eClass	27-24-22-02
ETIM 8	EC001419 - PLC digital I/O-module
ETIM 9	EC001419 - PLC digital I/O-module
ETIM 10	EC001419 - PLC digital I/O-module
UNSPSC	32151802

Environmental	
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
1SAP182900R0001	Training case. With: PM573-ETH, CM579-PNIO, CI502-PNIO, SM560-S, AI581-S, DI581-S, DX581-S, Case, Power adapter (TA514-SAFETY)	Kit

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

