



PRODUCT-DETAILS

DI581-S-XC

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



General Information	
Extended Product Type	DI581-S-XC
Product ID	1SAP484000R0001
ABB Type Designation	DI581-S-XC
EAN	4016779866170
Catalog Description	Digital input module. Safety. 16SDI, 16SDI SIL2/ 8SDI SIL3, 24VDC, 1-wire, 8 pulse output (DI581-S-XC)
Long Description	DI581-S-XC: S500-S Digital input module. Safety. 16SDI, 16SDI SIL2/ 8SDI SIL3, 24VDC, 1-wire, 8 pulse output. eXtreme Conditions

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

Dimensions	
Product Net Weight	0.123 kg
Product Net Depth / Length	62 mm
Product Net Height	76 mm
Product Net Width	67.5 mm
Gross Weight	0.152 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
RoHS Date	2011
RoHS Information	3ADR980142
RoHS Status	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
Ambient Air Temperature	Operation -30...+70 °C Storage -40...+85 °C

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

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Environmental

SCIP	956554b1-2453-4f98-b712-c2a86256a6ff Germany
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-XC → S500 I/O modules

