



PRODUCT-DETAILS

DX581-S

Digital input/output module. 8 SDI SIL2 / 4SDI SIL3, 24VDC. 8 SDO SIL2/3 24VDC 0.5A. 4 pulse outputs (DX581-S)



General Information	
Extended Product Type	DX581-S
Product ID	1SAP284100R0001
ABB Type Designation	DX581-S
EAN	4016779681803
Catalog Description	Digital input/output module. 8 SDI SIL2 / 4SDI SIL3, 24VDC. 8 SDO SIL2/3 24VDC 0.5A. 4 pulse outputs (DX581-S)
Long Description	DX581-S: S500-S Digital input/output module. 8 SDI SIL2 / 4SDI SIL3, 24VDC. 8 SDO SIL2/3 24VDC 0.5A. 4 pulse outputs. 1-wire.

Ordering	
CN8	85389091
Invoice Description	Digital input/output module. 8 SDI SIL2 / 4SDI SIL3, 24VDC. 8 SDO SIL2/3 24VDC 0.5A. 4 pulse outputs (DX581-S)
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece

Dimensions

Product Net Weight	0.13 kg
Product Net Depth / Length	62 mm
Product Net Height	76 mm
Product Net Width	67.5 mm
Gross Weight	0.159 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	8 SDI SIL2 / 4SDI SIL3, 24VDC. 8 SDO SIL2/3 24VDC 0.5A. 4 pulse outputs
Number of Digital Inputs	8
Number of Digital Outputs	8
Number of Digital Configurable I/Os	8
Input Voltage Type	DC
Input Current	7 mA
Maximum Input Voltage	0 ... 30 V
Delay Time (T)	1 ... 500 ms
Output	Transistor
Output Voltage Type	DC
Output Current	0.5 A
Output Voltage Maximum	20.4 ... 28.8 V
Degree of Protection	IP20
Safety Integrity Level (SIL)	2
Supply Voltage	20.4 ... 28.8 V DC

Additional Information

Product Main Type	DX581
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		
SCIP	5916c970-096a-4753-a46e-f309240b87af	Germany
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		

