ABB ABB Series Service Manual

DI581-S

1. Description

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

3. Product Information

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 (τ):

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)