MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6ES7148-4FA00-0AB0

FAIL-SAFE DIGITAL INPUT MODULE

Used with the applicable SIMATIC ET 200pro F-DI configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens 6ES7148-4FA00-0AB0 manufacturer specification, applicable pages 1.

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Data sheet 6ES7148-4FA00-0AB0



SIMATIC DP, ET 200pro fail-safe electronic module 8/16 F-DI 24 V DC PROFIsafe, 90 mm overall width, up to category 4 (EN 954-1)/ SIL3 (IEC61508)/PLE (ISO13849)

Supply voltage	
Rated value (DC)	24 V
Reverse polarity protection	Yes
power supply according to NEC Class 2 required	No
Input current	
from supply voltage 1L+, max.	120 mA; Typical
from backplane bus 3.3 V DC, max.	20 mA
Power loss	
Power loss, typ.	4.5 W
Digital inputs	
Number of digital inputs	16
Input current	
● for signal "1", typ.	3.7 mA
Standards, approvals, certificates	
Highest safety class achievable in safety mode	
● Performance level according to ISO 13849-1	e
● SIL acc. to IEC 61508	3
Dimensions	
Width	90 mm
Height	130 mm
Depth	65 mm
Classifications	

	Version	Classification
eClass	16	27-24-26-04
eClass	14	27-24-26-04
eClass	12	27-24-26-04
eClass	9.1	27-24-26-04
eClass	9	27-24-26-04
eClass	8	27-24-26-04
eClass	7.1	27-24-26-04
eClass	6	27-24-26-04
ETIM	10	EC001599
ETIM	9	EC001599
ETIM	8	EC001599
ETIM	7	EC001599
IDEA	4	3566

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