SIEMENS

Data sheet 6ES7151-1CA00-0AB0



Figure similar

*** spare part *** SIMATIC DP, interface module IM 151-1 Basic for ET 200S; transmission rate up to 12 Mbit/s; max. 12 power, electronic or motor starter modules (no F modules) can be connected; bus connection via 9-pin D-sub including termination module

General information	
Product type designation	IM 151-1 Basic
Vendor identification (VendorID)	80F3h
Product function	
● Isochronous mode	No
Supply voltage	
Mains buffering	
● Mains/voltage failure stored energy time	No
Input current	
from supply voltage 1L+, max.	70 mA
Power loss	
Power loss, typ.	1.5 W
Address area	
Addressing volume	
● Inputs	88 byte
● Outputs	88 byte
Interfaces	
Transmission procedure	RS 485
Transmission rate, max.	12 Mbit/s; 9,6 / 19,2 / 45,45 / 93,75 / 187,5 / 500 kbit/s; 1,5 / 3 / 6 / 12 Mbit/s
1. Interface	
Interface types	
● RS 485	Yes
● Output current of the interface, max.	80 mA
● Design of the connection	9-pin sub D socket
Protocols	
Supports protocol for PROFINET IO	No
PROFIBUS DP	Yes
PROFIBUS DP	
Services	
— SYNC capability	Yes
— FREEZE capability	Yes
— Direct data exchange (slave-to-slave communication)	Yes
Interrupts/diagnostics/status information	
Alarms	No
Diagnostics function	Yes
Diagnostics indication LED	
● Bus fault BF (red)	Yes

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● Group error SF (red)	Yes
● Monitoring 24 V voltage supply ON (green)	Yes
Potential separation	
between backplane bus and electronics	No
between electronic block and PROFIBUS DP	Yes
between supply voltage and electronics	No
Isolation	
Isolation tested with	500 V DC
Dimensions	
Width	45 mm
Height	119.5 mm
Depth	75 mm
Weights	
Weight, approx.	150 g

Classifications

	Version	Classification
eClass	16	27-24-26-08
eClass	14	27-24-26-08
eClass	12	27-24-26-08
eClass	9.1	27-24-26-08
eClass	9	27-24-26-08
eClass	8	27-24-26-08
eClass	7.1	27-24-26-08
eClass	6	27-24-26-08
ETIM	10	EC001604
ETIM	9	EC001604
ETIM	8	EC001604
ETIM	7	EC001604
IDEA	4	3564
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

Manufacturer Declaration | Miscellaneous | UL | RCM | EAC | China RoHS

EMV | **For use in hazardous locations**

RCM | ATEX | FM | ATEX | UL | IECEx

For use in hazardous locations | **Maritime application**

CCC-Ex | ABS | BUREAU VERITAS | DNV | LRS | NK / Nippon Kaiji Kyokai

Maritime application

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CCS (China Classification Society)

last modified: 8/22/2025

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