SIEMENS

Data sheet 6ES7151-1AB05-0AB0



Figure similar

*** spare part *** SIMATIC DP, Interface module IM 151-1 FO for ET 200S; Transmission rate to 12 Mbit/s; Data volume of 244 bytes each for inputs and outputs; max. 63 power, electronic or motor starter modules can be connected; bus connection via integr. FOC incl. termination module

General information	
Product type designation	IM 151-1 FO
Vendor identification (VendorID)	806Bh
Product function	
● Isochronous mode	No
Supply voltage	
Mains buffering	
● Mains/voltage failure stored energy time	20 ms
Input current	
from supply voltage 1L+, max.	200 mA
Output current	
for backplane bus (5 V DC), max.	700 mA
Power loss	
Power loss, typ.	3.3 W
Address area	
Addressing volume	
● Inputs	244 byte
● Outputs	244 byte
Interfaces	
Optical interface	Yes; 4 x Simplex socket
Transmission rate, max.	12 Mbit/s; 9,6 / 19,2 / 45,45 / 93,75 / 187,5 / 500 kbit/s; 1,5 / 12 Mbit/s
PROFIBUS DP	
● Cable length, max.	2 m
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	Yes
Diagnostics function	Yes
Diagnostics indication LED	
● Bus fault BF (red)	Yes
● Group error SF (red)	Yes

© Copyright Siemes

● Monitoring 24 V voltage supply ON (green)	Yes
Potential separation	
between backplane bus and electronics	No
between supply voltage and electronics	No
Isolation	
Isolation tested with	57 V DC/60 V AC
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

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

EMV | **For use in hazardous locations**

RCM | ATEX | FM | ATEX | UL | IECEx

Maritime application

ABS | LRS

last modified: 4/4/2025

© Copyright Siemens