SIEMENS

Data sheet 6ES7151-1AA04-0AB0

*** SPARE PART*** SIMATIC DP, INTERFACE MODULE IM151-1 STANDARD FOR ET200S; INCL. TERMINATING MODULE DATA VOLUME 244BYTE FOR EACH INPUT AND OUTPUT; MAX. OF 63 PERIPHERIEMODULES PROFIBUS DP V0 AND V1 UP TO 2M WIDTH CONNECTABLE; BUS INTERFACING VIA 9-WAY SUB-D

General information	
Vendor identification (VendorID)	806Ah
Supply voltage	
Mains buffering	
• Mains/voltage failure stored energy time	20 ms
Input current	
from supply voltage 1L+, max.	200 mA
Power loss	
Power loss, typ.	3.3 W
Address area	
Addressing volume	
• Inputs	244 byte
• Outputs	244 byte
Interfaces	
Interface physics, RS 485	Yes; 9-pin sub D socket
PROFIBUS DP	
• Output current, max.	80 mA
• 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
• SYNC capability	Yes
• FREEZE capability	Yes
• Direct data exchange (slave-to-slave communication)	Yes
Cable length	
— Cable length, max.	1 200 m
Protocols	
PROFIBUS DP	Yes
Isochronous mode	
Isochronous operation (application synchronized up to terminal)	No

Subject to change without notice
© Copyright Siemens

Interrupts/diagnostics/status information	
Alarms	Yes
Diagnostic functions	Yes
Diagnostics indication LED	
• Bus fault BF (red)	Yes
• 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

Permissible potential difference	
between different circuits	75 V DC/60 V AC

Isolation	
Isolation tested with	500 V DC

Dimensions	
Width	45 mm
Height	119.5 mm
Depth	75 mm

Weights	
Weight, approx.	150 g

last modified: 08/12/2017

Subject to change without notice
© Copyright Siemens