SIEMENS

Product data sheet 6ES7151-1AA05-0AB0

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

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General information	
Vendor identification (VendorID)	806Ah
Supply voltage	
Mains buffering	
Mains buffering, min.	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	
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

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Transmission procedure	RS 485
SYNC capability	Yes
FREEZE capability	Yes
Direct data exchange (slave-to-slave communication)	Yes
Cable length	
Cable length, max.	1200 m
Protocols	
PROFIBUS DP	Yes
Isochronous mode	
Isochronous mode (application synchronized up to terminal)	No
Interrupts/diagnostics/status information	
Alarms	
Alarms	Yes
Diagnostic messages	
Diagnostic functions	Yes
Diagnostics indication LED	
Bus fault BF (red)	Yes
Group error SF (red)	Yes
Monitoring 24 V voltage supply ON (green)	Yes
Galvanic isolation	
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 VDC / 60 VAC
Isolation	
Isolation tested with	500 V DC
Standards, approvals, certificates	
CE mark	Yes
UL approval	Yes
Mechanical and climatic conditions during operation	
Climatic conditions in operation	
Temperature	
min.	0 °C
max.	60 °C
Dimensions	
Width	45 mm
Height	119.5 mm

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Depth	75 mm
Weights	
Weight, approx.	150 g
Status	Jul 24, 2014

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