



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 buffering, min.	20 ms
Input current	
from supply voltage 1L+, max.	200 mA
Power losses	
Power loss, typ.	3.3 W
Address area	
Addressing volume	
Outputs	244 byte
Inputs	244 byte
Interfaces	
Interface physics, RS 485	Yes ; 9-pin sub D socket
PROFIBUS DP	
Cable length, max.	1200 m
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
FREECE capability	Yes
Direct data exchange (slave-to-slave communication)	Yes
Protocols	
PROFIBUS DP	Yes
Isochronous mode	
Isochronous operation (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 checked with	500 V DC
Dimensions	
Width	45 mm
Height	119.5 mm
Depth	75 mm
Weight	
Weight, approx.	150 g
Status	May 20, 2013