



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

<b>Transmission rate, max.</b>	12 Mbit/s ; 9.6 / 19.2 / 45.45 / 93.75 / 187.5 / 500 Kbit/s; 1.5 / 3 / 6 / 12 Mbit/s
<b>SYNC capability</b>	Yes
<b>FREECE capability</b>	Yes
<b>Direct data exchange (slave-to-slave communication)</b>	Yes
<b>Protocols</b>	
<b>PROFIBUS DP</b>	Yes
<b>Isochronous mode</b>	
<b>Isochronous operation (application synchronized up to terminal)</b>	No
<b>Interrupts/diagnostics/status information</b>	
<b>Alarms</b>	
<b>Alarms</b>	Yes
<b>Diagnostic messages</b>	
<b>Diagnostic functions</b>	Yes
<b>Diagnostics indication LED</b>	
<b>Bus fault BF (red)</b>	Yes
<b>Group error SF (red)</b>	Yes
<b>Monitoring 24 V voltage supply ON (green)</b>	Yes
<b>Galvanic isolation</b>	
<b>between backplane bus and electronics</b>	No
<b>between electronic block and PROFIBUS DP</b>	Yes
<b>between supply voltage and electronics</b>	No
<b>Permissible potential difference</b>	
<b>between different circuits</b>	75 VDC / 60 VAC
<b>Isolation</b>	
<b>Isolation checked with</b>	500 V DC
<b>Dimensions</b>	
<b>Width</b>	45 mm
<b>Height</b>	119.5 mm
<b>Depth</b>	75 mm
<b>Weight</b>	
<b>Weight, approx.</b>	150 g
Status	May 20, 2013