

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
• Transmission procedure	RS 485
• SYNC capability	Yes
• FREEZE capability	Yes
• Direct data exchange (slave-to-slave communication)	Yes
<b>Cable length</b>	
— Cable length, max.	1 200 m

### Protocols

Supports protocol for PROFINET IO	No
PROFIBUS DP	Yes
<b>Protocols (Ethernet)</b>	
• TCP/IP	No

### Isochronous mode

Isochronous operation (application synchronized up to terminal)	No
---	----

### Interrupts/diagnostics/status information

Alarms	Yes
Diagnostic functions	Yes
<b>Diagnostics indication LED</b>	
• 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
-----------------------	----------

### Standards, approvals, certificates

CE mark	Yes
UL approval	Yes

### Ambient conditions

<b>Ambient temperature during operation</b>	
• min.	0 °C
• max.	60 °C

## Dimensions

Width	45 mm
Height	119.5 mm
Depth	75 mm

## Weights

Weight, approx.	150 g
-----------------	-------

**last modified:** 12/19/2016