

\*\*\* SPARE PART\*\*\* SIMATIC DP, INTERFACE MODULE IM151-1 STANDARD FOR ET200S; TRANSMISS. RATE UP TO 12MBIT/S; DATA VOLUME 128BYTE FOR EACH INPUT AND OUTPUT; MAX. OF 63 POWER, ELECTR. OR MOTOR STARTER MODULES UP TO 2M WIDTH CONNECTABLE; BUS INTERFACING VIA 9-WAY SUB-D INCL. TERMINATING MODULE

General information	
Vendor identification (VendorID)	806Ah
Supply voltage	
Mains buffering	
<ul style="list-style-type: none"> <li>Mains/voltage failure stored energy time</li> </ul>	20 ms
Input current	
from supply voltage 1L+, max.	200 mA
Power loss	
Power loss, typ.	3.3 W
Address area	
Addressing volume	
<ul style="list-style-type: none"> <li>Inputs</li> <li>Outputs</li> </ul>	128 byte 128 byte
Interfaces	
Interface physics, RS 485	Yes; 9-pin sub D socket
PROFIBUS DP	
<ul style="list-style-type: none"> <li>Output current, max.</li> <li>Transmission rate, max.</li> <li>SYNC capability</li> <li>FREEZE capability</li> <li>Direct data exchange (slave-to-slave communication)</li> <li>Cable length, max.</li> </ul>	80 mA 12 Mbit/s; 9,6 / 19,2 / 45,45 / 93,75 / 187,5 / 500 kbit/s; 1,5 / 3 / 6 / 12 Mbit/s Yes Yes Yes 1 200 m
Protocols	
PROFIBUS DP	Yes
Isochronous mode	
Isochronous operation (application synchronized up to terminal)	No
Interrupts/diagnostics/status information	

Alarms	No
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
<b>Potential separation</b>	
between backplane bus and electronics	No
between electronic block and PROFIBUS DP	Yes
between supply voltage and electronics	No
<b>Permissible potential difference</b>	
between different circuits	500 V DC
<b>Isolation</b>	
Isolation tested with	500 V DC
<b>Dimensions</b>	
Width	45 mm
Height	119.5 mm
Depth	75 mm
<b>Weights</b>	
Weight, approx.	150 g
<b>last modified:</b>	02/28/2018