



SIMATIC DP, Interface module IM151-1 High Feature f. ET200S; Transmission rate to 12 Mbit/s; data volume 244 bytes each for I/O max. 63 modules can be connected; isochronous mode Bus connection via 9-pin D-sub incl. termination module

Figure similar

General information	
Product type designation	IM 151-1 HF
Product function	
<ul style="list-style-type: none"> <li>• Isochronous mode</li> </ul>	Yes
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>	244 byte 244 byte
Interfaces	
Transmission procedure	RS 485
Transmission rate, max.	12 Mbit/s
Protocols	
Supports protocol for PROFINET IO	No
PROFIBUS DP	Yes
PROFIBUS DP	
Services	
<ul style="list-style-type: none"> <li>— SYNC capability</li> <li>— FREEZE capability</li> <li>— Direct data exchange (slave-to-slave communication)</li> </ul>	Yes Yes Yes
Interrupts/diagnostics/status information	
Alarms	Yes
Diagnostics function	Yes
Diagnostics indication LED	
<ul style="list-style-type: none"> <li>• Bus fault BF (red)</li> <li>• Group error SF (red)</li> <li>• Monitoring 24 V voltage supply ON (green)</li> </ul>	Yes Yes Yes
Potential separation	
between backplane bus and electronics	No
between electronic block and PROFIBUS DP	Yes
between supply voltage and electronics	No
Isolation	

Isolation tested with	500 V DC
<b>Standards, approvals, certificates</b>	
CE mark	Yes
UL approval	Yes
<b>Ambient conditions</b>	
Ambient temperature during operation	
• min.	0 °C
• max.	60 °C
<b>Dimensions</b>	
Width	45 mm
Height	119.5 mm
Depth	75 mm
<b>Weights</b>	
Weight, approx.	150 g
<b>last modified:</b>	10/3/2023 