



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	
• Isochronous mode	Yes
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	
Transmission procedure	RS 485
Transmission rate, max.	12 Mbit/s
Protocols	
Supports protocol for PROFINET IO	No
PROFIBUS DP	Yes
Protocols (Ethernet)	
• TCP/IP	No
PROFIBUS DP	
Services	
— SYNC capability	Yes
— FREEZE capability	Yes
— Direct data exchange (slave-to-slave communication)	Yes
Interrupts/diagnostics/status information	
Alarms	Yes
Diagnostics function	Yes
Diagnostics indication LED	
• 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
Isolation	
Isolation tested with	500 V DC
Standards, approvals, certificates	
CE mark	Yes
UL approval	Yes
Ambient conditions	
Ambient temperature during operation	
• min.	0 °C
• max.	60 °C
Dimensions	
Width	45 mm
Height	119.5 mm
Depth	75 mm
Weights	
Weight, approx.	150 g
<b>last modified:</b>	12/18/2020 