

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
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

PROFIBUS DP	
• Transmission rate, max.	12 Mbit/s
• SYNC capability	Yes
• FREEZE capability	Yes
• Direct data exchange (slave-to-slave communication)	Yes

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

Isochronous mode	
Isochronous operation (application synchronized up to terminal)	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

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	
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
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