SIEMENS

SIMATIC DP, INTERFACE MODULE IM151-1 HIGH FEATURE F. ET200S; TRANSMISS. RATE UP TO 12MBIT/S; DATA VOLUMEN 244 BYTE FOR I/O, MAX. 63 MODULES CONNECTABLE; ISOCHRONE MODE, BUS INTERFACING VIA 9-WAY SUB-D CONNECTOR, INCL. TERMINATING MODULE

Figure similar

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
Diagnostic functions	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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