

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; ISOCHRONONE 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
- FREEZE capability
- Direct data exchange (slave-to-slave communication)

Yes
Yes
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
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Interrupts/diagnostics/status information

Alarms	Yes
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Diagnostic functions	Yes
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Diagnostics indication LED

- Bus fault BF (red)
- Group error SF (red)
- Monitoring 24 V voltage supply ON (green)

Yes
Yes
Yes

Potential separation

between backplane bus and electronics	No
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between electronic block and PROFIBUS DP	Yes
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between supply voltage and electronics	No
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Permissible potential difference

between different circuits	75 V DC/60 V AC
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Isolation

Isolation tested with	500 V DC
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Standards, approvals, certificates

CE mark	Yes
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UL approval	Yes
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Ambient conditions

Ambient temperature during operation

- min.
- max.

0 °C
60 °C

Dimensions

Width	45 mm
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Height	119.5 mm
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Depth	75 mm
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Weights

Weight, approx.

150 g

last modified:

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