

SIMATIC DP, INTERFACE MODULE IM151-1 BASIC FOR ET200S;  
 TRANSMISS. RATE UP TO 12MBIT/S; MAX. OF 12 POWER,  
 ELECTR. OR MOTOR STARTER MODULES (NO F-MODULES)  
 CONNECTABLE; BUS INTERFACING VIA 9-WAY SUB-D CONN.  
 INCL. TERMINATING MODULE



Figure similar

General information	
Vendor identification (VendorID)	80F3h
Supply voltage	
Mains buffering	
• Mains/voltage failure stored energy time	No
Input current	
from supply voltage 1L+, max.	70 mA
Power loss	
Power loss, typ.	1.5 W
Address area	
Addressing volume	
• Inputs	88 byte
• Outputs	88 byte
Interfaces	
Interface physics, RS 485	Yes; 9-pin sub D socket

PROFIBUS DP	
• Output current, max.	80 mA
• Transmission rate, max.	12 Mbit/s; 9,6 / 19,2 / 45,45 / 93,75 / 187,5 / 500 kbit/s; 1,5 / 3 / 6 / 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
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### Isochronous mode

Isochronous operation (application synchronized up to terminal)	No
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### Interrupts/diagnostics/status information

Alarms	No
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Diagnostic functions	Yes
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### 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
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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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### 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
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<b>last modified:</b>	08/12/2017
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