

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

PROFIBUS DP	Yes
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Isochronous mode

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

Alarms

• Alarms	No
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Diagnostic messages

• 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
between electronic block and PROFIBUS DP	Yes
between supply voltage and electronics	No

Permissible potential difference

between different circuits	75V DC/60V AC
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Isolation

Isolation tested with	500 V DC
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Dimensions

Width	45 mm
Height	119.5 mm
Depth	75 mm

Weights

Weight, approx.	150 g
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