

SIMATIC DP, Interface module IM 151-1 FO for ET 200S;
 Transmission rate to 12 Mbit/s; Data volume of 244 bytes each for
 inputs and outputs; max. 63 power, electronic or motor starter
 modules can be connected; bus connection via integr. FOC incl.
 termination module



Figure similar

General information	
Product type designation	IM 151-1 FO
Vendor identification (VendorID)	806Bh
Supply voltage	
Mains buffering	
• Mains/voltage failure stored energy time	20 ms
Input current	
from supply voltage 1L+, max.	200 mA
Output current	
for backplane bus (5 V DC), max.	700 mA
Power loss	
Power loss, typ.	3.3 W
Address area	
Addressing volume	
• Inputs	244 byte

- Outputs

244 byte

Interfaces

Interface physics, FOC Yes; 4 x Simplex socket

PROFIBUS DP

- Transmission rate, max. 12 Mbit/s; 9,6 / 19,2 / 45,45 / 93,75 / 187,5 / 500 kbit/s; 1,5 / 12 Mbit/s
- SYNC capability Yes
- FREEZE capability Yes
- Direct data exchange (slave-to-slave communication) Yes
- Cable length, max. 2 m

Protocols

Supports protocol for PROFINET IO No

PROFIBUS DP Yes

Protocols (Ethernet)

- TCP/IP No

Isochronous mode

Isochronous operation (application synchronized up to terminal) No

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 supply voltage and electronics No

Permissible potential difference

between different circuits 500 V DC

Isolation

Isolation tested with 57 V DC/60 V AC

Dimensions

Width 45 mm

Height 119.5 mm

Depth 75 mm

Weights

Weight, approx. 150 g

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