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Data sheet 6ES7151-1AB05-0AB0

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	
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

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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
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 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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