



SIMATIC DP, Interface module IM 151-1 Standard for ET 200S; incl. termination module Data volume of 244 bytes each for inputs and outputs; max. 63 I/O modules PROFIBUS DP V0 and V1 up to 2 m width can be connected; Bus connection via 9-pin D-sub

General information	
Product type designation	IM 151-1 ST
Vendor identification (VendorID)	806Ah
Product function	
• Isochronous mode	No
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	
Transmission procedure	RS 485
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
PROFIBUS DP	
• Cable length, max.	1 200 m
1. Interface	
Interface types	
• RS 485	Yes
• Output current of the interface, max.	80 mA
• Design of the connection	9-pin sub D socket
Protocols	
Supports protocol for PROFINET IO	No
PROFIBUS DP	Yes
Protocols (Ethernet)	
• TCP/IP	No
PROFIBUS DP	
Services	
— SYNC capability	Yes
— FREEZE capability	Yes
— Direct data exchange (slave-to-slave)	Yes

communication)

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

#### Isolation

Isolation tested with	500 V DC
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#### Standards, approvals, certificates

CE mark	Yes
UL approval	Yes

#### Ambient conditions

Ambient temperature during operation	
• min.	0 °C
• max.	60 °C

#### Dimensions

Width	45 mm
Height	119.5 mm
Depth	75 mm

#### Weights

Weight, approx.	150 g
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**last modified:** 3/11/2021 