

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	
<ul style="list-style-type: none"> • Output current, max. 	80 mA
<ul style="list-style-type: none"> • SYNC capability 	Yes
<ul style="list-style-type: none"> • FREEZE capability 	Yes
<ul style="list-style-type: none"> • Direct data exchange (slave-to-slave communication) 	Yes
<ul style="list-style-type: none"> • Design of electrical connection 	9-pin sub D socket
<ul style="list-style-type: none"> • Cable length, max. 	1 200 m
Protocols	
Supports protocol for PROFINET IO	No
PROFIBUS DP	Yes
Protocols (Ethernet)	
<ul style="list-style-type: none"> • TCP/IP 	No
Interrupts/diagnostics/status information	
Alarms	Yes
Diagnostics function	Yes
Diagnostics indication LED	
<ul style="list-style-type: none"> • Bus fault BF (red) 	Yes
<ul style="list-style-type: none"> • Group error SF (red) 	Yes
<ul style="list-style-type: none"> • 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
Standards, approvals, certificates	
CE mark	Yes
UL approval	Yes
Ambient conditions	
Ambient temperature during operation	
<ul style="list-style-type: none"> • min. 	0 °C
<ul style="list-style-type: none"> • max. 	60 °C
Dimensions	
Width	45 mm
Height	119.5 mm
Depth	75 mm

Weights

Weight, approx.

150 g

last modified:

07/10/2020