

SIMATIC DP, Interface module IM 151-1 Basic for ET 200S;
 Transmission rate to 12 Mbit/s; max. 12 power, electronic or motor
 starter modules (no F modules) can be connected; Bus connection
 via 9-pin D-sub incl. termination module



Figure similar

General information	
Product type designation	IM 151-1 Basic
Vendor identification (VendorID)	80F3h
Supply voltage	
Mains buffering	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> Inputs 	88 byte
<ul style="list-style-type: none"> 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	
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	No
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
Permissible potential difference	
between different circuits	75 V DC/60 V AC
Isolation	
Isolation tested with	500 V DC
Dimensions	
Width	45 mm
Height	119.5 mm
Depth	75 mm
Weights	
Weight, approx.	150 g
last modified:	05/25/2019