

*** spare part *** SIMATIC DP, interface module IM 151-1 Basic for ET 200S; transmission rate up 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 including termination module



Figure similar

General information	
Product type designation	IM 151-1 Basic
Vendor identification (VendorID)	80F3h
Product function	
• Isochronous mode	No
Supply voltage	
Mains buffering	
• 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	
• Inputs	88 byte
• Outputs	88 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"> • Design of electrical connection 	9-pin sub D socket
Interface types	
RS 485	
<ul style="list-style-type: none"> • Output current, max. 	80 mA
Protocols	
Supports protocol for PROFINET IO	No
PROFIBUS DP	Yes
Protocols (Ethernet)	
<ul style="list-style-type: none"> • TCP/IP 	No
PROFIBUS DP	
Services	
— SYNC capability	Yes
— FREEZE capability	Yes
— Direct data exchange (slave-to-slave communication)	Yes
Interrupts/diagnostics/status information	
Alarms	No
Diagnostics function	Yes
Diagnostics indication LED	
<ul style="list-style-type: none"> • Bus fault BF (red) • Group error SF (red) • Monitoring 24 V voltage supply ON (green) 	Yes Yes 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
Dimensions	
Width	45 mm
Height	119.5 mm
Depth	75 mm
Weights	
Weight, approx.	150 g

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