

*** SPARE PART*** SIMATIC DP, INTERFACE MODULE IM151-1 STANDARD FOR ET200S; TRANSMISS. RATE UP TO 12MBIT/S; DATA VOLUME 128BYTE FOR EACH INPUT AND OUTPUT; MAX. OF 63 POWER, ELECTR. OR MOTOR STARTER MODULES UP TO 2M WIDTH CONNECTABLE; BUS INTERFACING VIA 9-WAY SUB-D INCL. TERMINATING MODULE

General information

Vendor identification (VendorID) 806Ah

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 128 byte
- Outputs 128 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
- Cable length, max. 1 200 m

Protocols

PROFIBUS DP Yes

Isochronous mode

Isochronous operation (application synchronized up to terminal) No

Interrupts/diagnostics/status information

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

Permissible potential difference	
between different circuits	500 V DC

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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