

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
CONNECTABLE;
BUS INTERFACING VIA 9-WAY SUB-D CONN. INCL.
TERMINATING MODULE

Supply voltage	
Mains buffering	
Mains buffering, min.	20 ms
Input current	
from supply voltage 1L+, max.	200 mA
Output current	
Current output to backplane bus (DC 5 V), max.	700 mA
Address area	
Addressing volume	
Inputs	128 byte
Outputs	128 byte
Interfaces	
Interface physics, RS 485	Yes ; 9-pin sub D socket
PROFIBUS DP	
Transmission rate, max.	12 Mbit/s ; 9.6 / 19.2 / 45.45 / 93.75 / 187.5 / 500 kbit/s; 1.5 / 12 Mbit/s ; IM 151 also 3 / 6 Mbit/s
SYNC capability	Yes
FREEZE capability	Yes
Direct data exchange (slave-to-slave communication)	Yes
Cable length	
Cable length, max.	1 m
Protocols	
PROFIBUS DP	Yes
Interrupts/diagnostics/status information	
Diagnostics indication LED	
Bus fault BF (red)	Yes

Group error SF (red)	Yes
Monitoring 24 V voltage supply ON (green)	Yes
Galvanic isolation	
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 VDC / 60 VAC
Isolation	
Isolation checked with	500 V DC
Dimensions	
Width	45 mm
Height	119.5 mm
Depth	75 mm
Weights	
Weight, approx.	150 g
Status	Sep 29, 2014