

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

<b>Supply voltage</b>	
<b>Mains buffering</b>	
Mains buffering, min.	20 ms
<b>Input current</b>	
from supply voltage 1L+, max.	200 mA
<b>Output current</b>	
Current output to backplane bus (DC 5 V), max.	700 mA
<b>Address area</b>	
<b>Addressing volume</b>	
Inputs	128 byte
Outputs	128 byte
<b>Interfaces</b>	
Interface physics, RS 485	Yes ; 9-pin sub D socket
<b>PROFIBUS DP</b>	
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
<b>Cable length</b>	
Cable length, max.	1 m
<b>Protocols</b>	
PROFIBUS DP	Yes
<b>Interrupts/diagnostics/status information</b>	
<b>Diagnostics indication LED</b>	
Bus fault BF (red)	Yes

<b>Group error SF (red)</b>	Yes
<b>Monitoring 24 V voltage supply ON (green)</b>	Yes
<b>Galvanic isolation</b>	
<b>between backplane bus and electronics</b>	No
<b>between electronic block and PROFIBUS DP</b>	Yes
<b>between supply voltage and electronics</b>	No
<b>Permissible potential difference</b>	
<b>between different circuits</b>	75 VDC / 60 VAC
<b>Isolation</b>	
<b>Isolation checked with</b>	500 V DC
<b>Dimensions</b>	
<b>Width</b>	45 mm
<b>Height</b>	119.5 mm
<b>Depth</b>	75 mm
<b>Weights</b>	
<b>Weight, approx.</b>	150 g
Status	Sep 29, 2014