

SIEMENS

Product data sheet

6ES7151-1BA02-0AB0


SIMATIC DP,
INTERFACE MODULE IM151-1 HIGH FEATURE F.
ET200S;
TRANSMISS. RATE UP TO 12MBIT/S;
DATA VOLUMEN 244 BYTE FOR I/O,
MAX. 63 MODULES CONNECTABLE;
ISOCHRONE MODE,
BUS INTERFACING VIA 9-WAY SUB-D
CONNECTOR,
INCL. TERMINATING MODULE

Supply voltage	
Mains buffering	
Mains buffering, min.	20 ms
Input current	
from supply voltage 1L+, max.	200 mA
Power losses	
Power loss, typ.	3.3 W
Address area	
Addressing volume	
Outputs	244 byte
Inputs	244 byte
Interfaces	
Interface physics, RS 485	Yes
PROFIBUS DP	
Transmission rate, max.	12 Mbit/s

SYNC capability	Yes
FREECE capability	Yes
Direct data exchange (slave-to-slave communication)	Yes
Protocols	
PROFIBUS DP protocol	Yes
Isochronous mode	
Isochronous operation (application synchronized up to terminal)	Yes
Interrupts/diagnostics/status information	
Alarms	
Alarms	Yes
Diagnostic messages	
Diagnostic functions	Yes
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
Weight	
Weight, approx.	150 g
Status	Jul 17, 2012