

## 6ES7151-1BA00-0AB0

ET200S, INTERF.MOD. IM151-1 HF, 12MBIT/S

### Technical data

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; ISOCHRON MODE, BUS INTERFACING VIA 9-WAY SUB-D CONNECTOR, INCL. TERMINATING MODULE

#### General information

Vendor identification (VendorID)	80E0h
<b>Product function</b>	
• Isochronous mode	Yes; From 1.5 Mbit/s
<b>Supply voltage</b>	
<b>Mains buffering</b>	
• 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
<b>Address area</b>	
<b>Addressing volume</b>	
• Inputs	244 byte
• Outputs	244 byte
<b>Interfaces</b>	
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
<b>PROFIBUS DP</b>	
• Output current, max.	80 mA
• SYNC capability	Yes
• FREEZE capability	Yes
• Direct data exchange (slave-to-slave communication)	Yes
• Design of electrical connection	9-pin sub D socket
• Cable length, max.	1 200 m
<b>Protocols</b>	
Supports protocol for PROFINET IO	No
PROFIBUS DP	Yes
<b>Protocols (Ethernet)</b>	
• TCP/IP	No
<b>Interrupts/diagnostics/status information</b>	
Alarms	Yes
Diagnostics function	Yes
<b>Diagnostics indication LED</b>	
• Bus fault BF (red)	Yes
• Group error SF (red)	Yes
• Monitoring 24 V voltage supply ON (green)	Yes
<b>Potential separation</b>	
between backplane bus and electronics	No
between electronic block and PROFIBUS DP	Yes
between supply voltage and electronics	No
<b>Isolation</b>	
Isolation tested with	500 V DC
<b>Dimensions</b>	
Width	45 mm
Height	119.5 mm
Depth	75 mm
<b>Weights</b>	
Weight, approx.	150 g
<b>last modified:</b>	11/27/2020
<b>Last changes: 12/01/2020</b>	