SIMATIC ET 200S

Product Data Sheet

6ES7151-1AA03-0AB0

PROFIBUS interface module

MAXIMUM STATION MODULES	MAXIMUM STATION LENGTH	INPUT ADDRESS CAPACITY	OUTPUT ADDRESS CAPACITY
63	**2 m**	**128 bytes**	**128 bytes**

Siemens 6ES7151-1AA03-0AB0 is an IM 151-1 Standard PROFIBUS interface for an ET 200S distributed station. It supports up to 63 station modules and provides separate 128-byte input and output address capacities.

01 TECHNICAL DATA

Maximum station modules	63
Maximum station length	2 m
Input address capacity	128 bytes
Output address capacity	128 bytes
Supply interruption buffer	20 ms
Maximum supply current	200 mA
Power loss	3.3 W
Maximum PROFIBUS rate	12 Mbit/s
PROFIBUS connector	9-pin Sub-D
Network interface	RS-485

02 ADDITIONAL PRODUCT DATA

Interface current consumption	80 mA
Synchronization modes	SYNC and FREEZE
Direct data exchange	Supported
Maximum bus cable length	1200 m depending on rate
Isolation test voltage	500 V DC

03 PRODUCT FUNCTION

The interface connects through a 9-pin Sub-D RS-485 port at PROFIBUS rates up to 12 Mbit/s. SYNC, FREEZE and direct data exchange are supported within the configured network, while the permissible cable length depends on the selected transmission rate.

04 SYSTEM COMPATIBILITY

Connect PROFIBUS through the 9-pin Sub-D RS-485 interface and set the correct station address. Apply the rate-dependent bus-cable length and termination rules; the 1200 m maximum is not valid at every transmission rate.

05 REFERENCE

Siemens 6ES7151-1AA03-0AB0 technical data and applicable product instructions

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