SIMATIC ET 200S

Product Data Sheet

6ES7151-3BB23-0AB0

IM 151-3 PN FO Interface Module

RATED SUPPLY	MAXIMUM SUPPLY CURRENT	MAXIMUM DISSIPATION	MAXIMUM I/O MODULES
24 V DC	**200 mA**	**5 W**	**63**

Siemens 6ES7151-3BB23-0AB0 is an IM 151-3 PN FO interface module for an ET 200S distributed I/O station. Its integrated two-port optical PROFINET connection links the station to the controller at 100 Mbit/s. A station can contain up to 63 I/O modules within a maximum width of 2 m.

01 TECHNICAL DATA

Rated supply	24 V DC
Maximum supply current	200 mA
Maximum dissipation	5 W
Maximum I/O modules	63
Maximum station width	2 m
PROFINET optical ports	2
Transmission speed	100 Mbit/s
Input address capacity	256 bytes
Output address capacity	256 bytes
Supply interruption buffer	20 ms

02 ADDITIONAL PRODUCT DATA

Shared-device controllers	2
IRT	Supported
Media redundancy	MRP
Network diagnostics	SNMP / LLDP
PROFIenergy	Supported

03 PRODUCT FUNCTION

The interface provides 256 input bytes and 256 output bytes, with support for IRT, MRP media redundancy, shared-device operation and PROFIenergy. It operates from 24 V DC and draws up to 200 mA. The specified supply-interruption buffer is 20 ms, and the maximum power dissipation is 5 W.

04 SYSTEM COMPATIBILITY

Use the optical PROFINET ports for the intended fiber network and configure the device name and controller assignment in the engineering project. Where shared-device operation is used, assign the station modules to the intended two controllers rather than assuming each controller owns every module.

05 REFERENCE

Siemens 6ES7151-3BB23-0AB0 official product data; applicable specification pages.

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