MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6ES7151-3BB23-0AB0

IM 151-3 PN FO INTERFACE MODULE

Used with the applicable SIMATIC ET 200S configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

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

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Data sheet 6ES7151-3BB23-0AB0



SIMATIC DP, interface module IM 151-3 PN FO for ET 200S, 2 PROFINET FOC interfaces, integrated 2-port switch, max. 63 I/O modules, PROFIsafe modules can be used, max. 2 m station width, incl. termination module

General information	
Product type designation	IM 151-3 PN FO
Configuration control	
via dataset	Yes
Supply voltage	
Mains buffering	
● Mains/voltage failure stored energy time	20 ms
Input current	
from supply voltage 1L+, max.	200 mA
Power loss	
Power loss, typ.	5 W
Address area	
Addressing volume	
● Inputs	256 byte
● Outputs	256 byte
Interfaces	
Number of PROFINET interfaces	1
Optical interface	Yes
Transmission rate, max.	100 Mbit/s
1. Interface	
Autonegotiation	Yes
Autocrossing	Yes
PROFINET IO Device	
Services	
— IRT	Yes
— PROFIenergy	Yes
— Prioritized startup	Yes
— Shared device	Yes
— Number of IO Controllers with shared device, max.	2
Protocols	
Supports protocol for PROFINET IO	Yes
PROFIBUS DP	No
Protocols (Ethernet)	
● SNMP	Yes
● LLDP	Yes
● ping	Yes
● ARP	Yes
Redundancy mode	

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Media redundancy	
— MRP	Yes
Interrupts/diagnostics/status information	
Alarms	Yes
Diagnostics function	Yes
Diagnostics indication LED	
● LINK LED	Yes
● Bus fault BF (red)	Yes
● Group error SF (red)	Yes
● Monitoring 24 V voltage supply ON (green)	Yes
Potential separation	
between Ethernet and electronics	Yes
Standards, approvals, certificates	
CE mark	Yes
UL approval	Yes
Ambient conditions	
Ambient temperature during operation	
● min.	0 °C
● max.	60 °C
Dimensions	
Width	60 mm
Height	119.5 mm
Depth	75 mm; with mounting rail
Weights	
Weight, approx.	150 g

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