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Data sheet 6ES7151-3BB23-0AB0



*** Spare part *** 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	
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	
Media redundancy	
— MRP	Yes

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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

Classifications

	Version	Classification
eClass	16	27-24-26-08
eClass	14	27-24-26-08
eClass	12	27-24-26-08
eClass	9.1	27-24-26-08
eClass	9	27-24-26-08
eClass	8	27-24-26-08
eClass	7.1	27-24-26-08
eClass	6	27-24-26-08
ETIM	10	EC001604
ETIM	9	EC001604
ETIM	8	EC001604
ETIM	7	EC001604
IDEA	4	3564
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

Manufacturer Declaration | Miscellaneous

General Product Approval | **For use in hazardous locations**

Manufacturer Declaration | China RoHS | FM

For use in hazardous locations

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Miscellaneous

CCC-Ex

Maritime application	Industrial Communication
	PROFINET





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