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Data sheet 6ES7151-3BA60-0AB0

*** spare part *** SIMATIC DP, interface module IM 151-3 PN HS for ET 200S transmission rate 100 Mbit/s max. 32 I/O modules up to 2 m width can be connected; 2x bus connections via RJ45 incl. termination module



Figure similar

General information	
Product type designation	IM 151-3 PN HS
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.	2 W
Address area	
Addressing volume	
• Inputs	256 byte
• Outputs	256 byte

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Interfaces	
Number of PROFINET interfaces	1
Transmission rate, max.	100 Mbit/s

1. Interface	
Autonegotiation	Yes
Autocrossing	Yes
Interface types	
• RJ 45 (Ethernet)	Yes
• Number of ports	2
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
Protocols (Ethernet)	
• SNMP	Yes
• LLDP	Yes
• ping	Yes
• ARP	Yes
Redundancy mode	
Media redundancy	
— MRP	Yes

Interrupts/diagnostics/status information	
Alarms	Yes
Diagnostics function	Yes
Diagnostics indication LED	
• Bus fault BF (red)	Yes
• Group error SF (red)	Yes
• Monitoring 24 V voltage supply ON (green)	Yes
• Connection to network LINK (green)	Yes

Potential separation	
between backplane bus and electronics	No
between supply voltage and electronics	No
between Ethernet and electronics	Yes

Isolation

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Isolation tested with	500 V

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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