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Data sheet 6ES7151-3BA23-0AB0

SIMATIC DP, INTERFACE MODULE IM151-3 PN HF FOR ET 200S, TRANSMISS. RATE UP TO 100MBIT/S MAX. OF 63 PERIPHERAL MODULES UP TO 2M WIDTH CONNECTABLE; 2 X BUS INTERFACING VIA RJ45 INCL. TERMINATING MODULE

Figure similar

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.	3.3 W
Address area	
Addressing volume	
• Inputs	256 byte
• Outputs	256 byte
Interfaces	
Number of PROFINET interfaces	1

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PROFINET IO	
• Autocrossing	Yes
• automatic detection of transmission rate	Yes
• Transmission rate, max.	100 Mbit/s
• Services	Ping; arp; LLDP; network diagnostics (SNMP) / MIB-2, reset SNMP parameters to factory settings; prioritized startup; media redundancy MRP; shared device
• RJ 45	Yes
1. Interface	
Functionality	
• PROFINET IO Device	Yes
PROFINET IO Device	
Services	
— Isochronous mode	No
— 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
MRP	Yes
Protocols (Ethernet)	
• SNMP	Yes
• LLDP	Yes
• ping	Yes
• ARP	Yes
Interrupts/diagnostics/status information	
Alarms	Yes
Diagnostic functions	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
Permissible potential difference	

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between different circuits	75 V DC/60 V AC
Isolation	
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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