

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

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
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PROFINET IO Device

Services

— Isochronous mode	No
— IRT	Yes
— PROFINergy	Yes
— Prioritized startup	Yes
— Shared device	Yes
— Number of IO Controllers with shared device, max.	2

Protocols

Supports protocol for PROFINET IO	Yes
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MRP	Yes
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Protocols (Ethernet)

• SNMP	Yes
• LLDP	Yes
• ping	Yes
• ARP	Yes

Interrupts/diagnostics/status information

Alarms	Yes
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Diagnostic functions	Yes
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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
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between supply voltage and electronics	No
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between Ethernet and electronics	Yes
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Permissible potential difference

between different circuits	75 V DC/60 V AC
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Isolation

Isolation tested with	500 V
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Standards, approvals, certificates

CE mark	Yes
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UL approval	Yes
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Ambient conditions

Ambient temperature during operation	
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• min.	0 °C
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• max.	60 °C
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Dimensions

Width	60 mm
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Height	119.5 mm
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Depth	75 mm; with mounting rail
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Weights

Weight, approx.	150 g
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last modified:	03/11/2017
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