

SIMATIC DP, Interface module IM 151-3 PN HF for ET 200S
 Transmission rate 100 Mbit/s max. 63 I/O modules up to 2 m width
 can be connected; 2x bus connections via RJ45 incl. termination
 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

Supports protocol for PROFINET IO	
• Autocrossing	Yes
• automatic detection of transmission rate	Yes
• Transmission rate, max.	100 Mbit/s
• Number of RJ45 ports	2

Protocols

Supports protocol for PROFINET IO	Yes
MRP	Yes

Protocols (Ethernet)

• SNMP	Yes
• LLDP	Yes
• ping	Yes
• ARP	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

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

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	
• 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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