

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

General information	
Product type designation	IM 151-3 PN HF
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
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Protocols (Ethernet)

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

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

Redundancy mode

• MRP	Yes
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Interrupts/diagnostics/status information

Alarms	Yes
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Diagnostics function	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

• 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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