

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
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
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
Permissible potential difference	
between different circuits	75 V DC/60 V AC
Isolation	

Isolation tested with	500 V
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### 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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**last modified:** 08/15/2019