

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

<b>Configuration control</b>	
via dataset	Yes
<b>Supply voltage</b>	
<b>Mains buffering</b>	
• Mains/voltage failure stored energy time	20 ms
<b>Input current</b>	
from supply voltage 1L+, max.	200 mA
<b>Power loss</b>	
Power loss, typ.	3.3 W
<b>Address area</b>	
<b>Addressing volume</b>	
• Inputs	256 byte
• Outputs	256 byte
<b>Interfaces</b>	
Number of PROFINET interfaces	1

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
Isolation	
Isolation tested with	500 V
Standards, approvals, certificates	
CE mark	Yes

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
<b>last modified:</b>	03/16/2018