

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
Transmission rate, max.	100 Mbit/s
Supports protocol for PROFINET IO	
• Autocrossing	Yes
• automatic detection of transmission rate	Yes
• 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	
— IRT	Yes
— PROFIenergy	Yes
— Prioritized startup	Yes
— Shared device	Yes
— Number of IO Controllers with shared device, max.	2
Redundancy mode	
Media redundancy	
— 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
Isolation	
Isolation tested with	500 V
Standards, approvals, certificates	

CE mark	Yes
UL approval	Yes
<b>Ambient conditions</b>	
Ambient temperature during operation	
• min.	0 °C
• max.	60 °C
<b>Dimensions</b>	
Width	60 mm
Height	119.5 mm
Depth	75 mm; with mounting rail
<b>Weights</b>	
Weight, approx.	150 g
<b>last modified:</b>	06/12/2020