

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
1. Interface	
Autonegotiation	Yes
Autocrossing	Yes
Interface types	
<ul style="list-style-type: none"> • RJ 45 (Ethernet) 	Yes
<ul style="list-style-type: none"> • Number of ports 	2
PROFINET IO Device	
Services	
— IRT	Yes
— PROFINergy	Yes
— Prioritized startup	Yes
— Shared device	Yes
— Number of IO Controllers with shared device, max.	2
Protocols	
Supports protocol for PROFINET IO	Yes
Protocols (Ethernet)	
<ul style="list-style-type: none"> • SNMP 	Yes
<ul style="list-style-type: none"> • LLDP 	Yes
<ul style="list-style-type: none"> • ping 	Yes
<ul style="list-style-type: none"> • ARP 	Yes
Redundancy mode	
Media redundancy	
— MRP	Yes
Interrupts/diagnostics/status information	
Alarms	Yes
Diagnostics function	Yes
Diagnostics indication LED	
<ul style="list-style-type: none"> • Bus fault BF (red) 	Yes
<ul style="list-style-type: none"> • Group error SF (red) 	Yes
<ul style="list-style-type: none"> • Monitoring 24 V voltage supply ON (green) 	Yes
<ul style="list-style-type: none"> • 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
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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: 12/09/2020