



Figure similar

*** Spare part *** 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

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	
• RJ 45 (Ethernet)	Yes
• 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)	
• SNMP	Yes
• LLDP	Yes
• ping	Yes
• ARP	Yes

Redundancy mode	
Media redundancy	
— MRP	Yes
Interrupts/diagnostics/status information	
Alarms	Yes
Diagnostics function	Yes
Diagnostics indication LED	
• LINK LED	Yes
• Bus fault BF (red)	Yes
• Group error SF (red)	Yes
• Monitoring 24 V voltage supply ON (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
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

Classifications			
	Version	Classification	
eClass	14	27-24-26-08	
eClass	12	27-24-26-08	
eClass	9.1	27-24-26-08	
eClass	9	27-24-26-08	
eClass	8	27-24-26-08	
eClass	7.1	27-24-26-08	
eClass	6	27-24-26-08	
ETIM	10	EC001604	
ETIM	9	EC001604	
ETIM	8	EC001604	
ETIM	7	EC001604	
IDEA	4	3564	
UNSPSC	15	32-15-17-05	

Approvals / Certificates	
General Product Approval	

[Miscellaneous](#)



[Manufacturer Declaration](#)

[China RoHS](#)



General Product Approval	EMV	For use in hazardous locations
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[EM](#)



For use in hazardous locations

Maritime application



[Miscellaneous](#)

[CCC-Ex](#)



Maritime application

Industrial Communication



[NK / Nippon Kaiji Kyokai](#)



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