



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	9	EC001604
	ETIM	8	EC001604
	ETIM	7	EC001604
	IDEA	4	3564
	UNSPSC	15	32-15-17-05

Approvals / Certificates			
General Product Approval			



KC



EMV	Test Certificates	Marine / Shipping	
	Type Test Certificates/Test Report	Special Test Certificate	

Marine / Shipping				other	Railway
 LRS	 PRS	 RINA	 RMRS	Confirmation	Special Test Certificate

Environment	
	Environmental Confirmations

last modified:

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