



Figure similar

*** Spare part *** SIMATIC DP, Interface module IM151-1 High Feature f. ET200S; Transmission rate to 12 Mbit/s; data volume 244 bytes each for I/O max. 63 modules can be connected; isochronous mode Bus connection via 9-pin D-sub incl. termination module

General information	
Product type designation	IM 151-1 HF
Product function	
• Isochronous mode	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	244 byte
• Outputs	244 byte
Interfaces	
Transmission procedure	RS 485
Transmission rate, max.	12 Mbit/s
Protocols	
Supports protocol for PROFINET IO	No
PROFIBUS DP	Yes
PROFIBUS DP	
Services	
— SYNC capability	Yes
— FREEZE capability	Yes
— Direct data exchange (slave-to-slave communication)	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
Potential separation	
between backplane bus and electronics	No
between electronic block and PROFIBUS DP	Yes
between supply voltage and electronics	No

Isolation					
Isolation tested with		500 V DC			
Standards, approvals, certificates					
CE mark		Yes			
UL approval		Yes			
Ambient conditions					
Ambient temperature during operation					
• min.		0 °C			
• max.		60 °C			
Dimensions					
Width		45 mm			
Height		119.5 mm			
Depth		75 mm			
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
EMV		For use in hazardous locations			
		FM			
For use in hazardous locations			Maritime application		
	Miscellaneous	CCC-Ex			
Maritime application					



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