



Figure similar

*** spare part *** SIMATIC DP, connection ET 200M IM 153-4 PN IO for max. 12 S7-300 modules, extended functions: isochronous real time communication class 1 and 2, module exchange without PG, operation without MMC, maintenance support of new IO modules

General information	
Product type designation	IM 153-4 PN ST
Vendor identification (VendorID)	002AH
Device identifier (DeviceID)	0302H
Supply voltage	
Rated value (DC)	24 V
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
external protection for power supply lines (recommendation)	In a construction with grounded reference potential, a fuse is necessary for redundant interface modules (Recommendation: 2.5 A)
Mains buffering	
• Mains/voltage failure stored energy time	5 ms
Input current	
Current consumption, max.	600 mA; with 24 V DC supply
Inrush current, typ.	4 A
I^2t	0.09 A ² ·s
Output voltage	
Rated value (DC)	5 V
Output current	
for backplane bus (5 V DC), max.	1.5 A
Power loss	
Power loss, typ.	6 W
Address area	
Addressing volume	
• Inputs	192 byte
• Outputs	192 byte
Hardware configuration	
number of modules per DP device interface, max.	12
Protocols	
Bus protocol/transmission protocol	PROFINET IO
Protocols (Ethernet)	
• TCP/IP	No
Redundancy mode	
• PROFINET system redundancy (S2)	No
Media redundancy	
— MRP	Yes
Interrupts/diagnostics/status information	
Diagnostics indication LED	

• LINK LED • RX/TX LED • for module diagnostics	Yes; green LED Yes; Yellow LED Yes				
Potential separation					
Potential separation exists	Yes				
Isolation					
Isolation tested with	500 V DC				
Degree and class of protection					
IP degree of protection	IP20				
Ambient conditions					
Ambient temperature during operation					
• min. • max.	0 °C 60 °C				
Altitude during operation relating to sea level					
• Installation altitude above sea level, max.	2 000 m				
Dimensions					
Width	40 mm				
Height	125 mm				
Depth	118 mm				
Weights					
Weight, approx.	215 g				
Classifications					
		Version	Classification		
	eClass	16	27-24-26-08		
	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					
 EG-Konf.		Miscellaneous	 UL		 RCM
General Product Approval		EMV			
	China RoHS	Manufacturer Declaration	 EG-Konf.		 RCM
For use in hazardous locations					



[FM](#)



IECEX



[Miscellaneous](#)

For use in hazardous locations	Maritime application
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ABS



BUREAU
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Maritime application	Industrial Communication
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RINA

[CCS \(China Classification Society\)](#)

[KR \(Korean Register of Shipping\)](#)

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