



Figure similar

\*\*\* spare part \*\*\* SIMATIC DP, interface module IM 151-1 Standard for ET 200S; incl. termination module data volume of 244 bytes each for inputs and outputs; max. 63 I/O modules PROFIBUS DP V0 and V1 up to 2 m width can be connected; bus connection via 9-pin D-sub

General information	
Product type designation	IM 151-1 ST
Vendor identification (VendorID)	806Ah
Product function	
• Isochronous mode	No
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; 9,6 / 19,2 / 45,45 / 93,75 / 187,5 / 500 kbit/s; 1,5 / 3 / 6 / 12 Mbit/s
PROFIBUS DP	
• Cable length, max.	1 200 m
1. Interface	
Interface types	
• RS 485	Yes
• Output current of the interface, max.	80 mA
• Design of the connection	9-pin sub D socket
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

<b>Potential separation</b>	
between backplane bus and electronics	No
between electronic block and PROFIBUS DP	Yes
between supply voltage and electronics	No

<b>Isolation</b>	
Isolation tested with	500 V DC

<b>Standards, approvals, certificates</b>	
CE mark	Yes
UL approval	Yes

<b>Ambient conditions</b>	
Ambient temperature during operation	
• min.	0 °C
• max.	60 °C

<b>Dimensions</b>	
Width	45 mm
Height	119.5 mm
Depth	75 mm

<b>Weights</b>	
Weight, approx.	150 g

<b>Classifications</b>			
		<b>Version</b>	<b>Classification</b>
	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	Maritime application
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Maritime application	other
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[NK / Nippon Kaiji Kyokai](#)



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



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