



Figure similar

\*\*\* spare part \*\*\* SIMATIC DP, interface module IM 151-1 Basic for ET 200S; transmission rate up to 12 Mbit/s; max. 12 power, electronic or motor starter modules (no F modules) can be connected; bus connection via 9-pin D-sub including termination module

General information	
Product type designation	IM 151-1 Basic
Vendor identification (VendorID)	80F3h
Product function	
• Isochronous mode	No
Supply voltage	
Mains buffering	
• Mains/voltage failure stored energy time	No
Input current	
from supply voltage 1L+, max.	70 mA
Power loss	
Power loss, typ.	1.5 W
Address area	
Addressing volume	
• Inputs	88 byte
• Outputs	88 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
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	No
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
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#### Dimensions

Width	45 mm
Height	119.5 mm
Depth	75 mm

#### Weights

Weight, approx.	150 g
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#### 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

[Manufacturer Declaration](#)

[Miscellaneous](#)



[China RoHS](#)

##### EMV For use in hazardous locations



[FM](#)



##### For use in hazardous locations Maritime application

[CCC-Ex](#)



[NK / Nippon Kaiji Kyokai](#)

##### Maritime application



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

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