

SIMATIC DP, ET 200M INTERFACE FOR MAX. 8 S7-300
MODULES, WITH REDUNDANCY, TIME STAMPING

General information	
Vendor identification (VendorID)	801Eh
Supply voltage	
Rated value (DC)	Yes
• 24 V DC	
external protection for power supply lines (recommendation)	not necessary
Mains buffering	
• Mains/voltage failure stored energy time	5 ms
Input current	
Current consumption, max.	550 mA; At 24 V DC
Inrush current, typ.	2.5 A
I^2t	0.1 A ² ·s
Output voltage	
Rated value (DC)	5 V
Output current	
for backplane bus (5 V DC), max.	1 A
Power loss	
Power loss, typ.	5 W
Address area	
Addressing volume	
• Inputs	128 byte
• Outputs	128 byte
Hardware configuration	
Number of modules per DP slave interface, max.	8
Time stamping	
Accuracy	10 ms; 10 ms / 3 ms
Number of message buffers	15
Messages per message buffer	20
Number of stampable digital inputs, max.	128
Time format	RFC 1119 Internet (ISP)
Time resolution	1 ms

Time interval for transmitting the message buffer if a message is present	1 000 ms
Time stamp on signal change	rising / falling edge as signal entering or exiting

Interfaces

Transmission procedure	RS 485
PROFIBUS DP	
• Node addresses	1 to 125 permitted
• automatic detection of transmission rate	Yes
• Output current, max.	90 mA
• Transmission rate, max.	12 Mbit/s
• SYNC capability	Yes
• FREEZE capability	Yes
• Direct data exchange (slave-to-slave communication)	Yes; Sender
• Design of electrical connection of PROFIBUS interface	9-pin sub D socket

1. Interface

PROFIBUS DP slave	
• GSD file	(for DPV1) SIEM801E.GSD; SI01801E.GSG (for IM 153-2AA0x); SI02801E.GSG (for IM 153-2BA0x)
• automatic baud rate search	Yes

Protocols

Bus protocol/transmission protocol	PROFIBUS DP to EN 50170
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Isolation

Isolation tested with	Isolation voltage 500 V
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Degree and class of protection

IP degree of protection	IP20
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Ambient conditions

Ambient temperature during operation	
• min.	0 °C
• max.	60 °C

Dimensions

Width	40 mm
Height	125 mm
Depth	117 mm

Weights

Weight, approx.	360 g
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last modified: 08/16/2019 