

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)	24 V
external protection for power supply lines (recommendation)	not necessary
Mains buffering	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> Inputs Outputs 	128 byte
	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
Transmission rate, max.	12 Mbit/s
1. Interface	
automatic detection of transmission rate	Yes
Interface types	
<ul style="list-style-type: none"> • Output current of the interface, max. • Design of the connection 	90 mA 9-pin sub D socket
PROFIBUS DP slave	
<ul style="list-style-type: none"> • GSD file • automatic baud rate search 	(for DPV1) SIEM801E.GSD; SI01801E.GSG (for IM 153-2AA0x); SI02801E.GSG (for IM 153-2BA0x) Yes
Protocols	
Bus protocol/transmission protocol	PROFIBUS DP to EN 50170
PROFIBUS DP	
<ul style="list-style-type: none"> • Number of node addresses, max. 	1 to 125 permitted
Services	
<ul style="list-style-type: none"> — SYNC capability — FREEZE capability — Direct data exchange (slave-to-slave communication) 	Yes Yes Yes; Sender
Isolation	
Isolation tested with	Isolation voltage 500 V
Degree and class of protection	
IP degree of protection	IP20
Ambient conditions	
Ambient temperature during operation	
<ul style="list-style-type: none"> • min. • max. 	0 °C 60 °C
Dimensions	
Width	40 mm
Height	125 mm
Depth	117 mm
Weights	
Weight, approx.	360 g
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