

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



General information

Vendor identification (VendorID) 801Eh

Supply voltage

24 V DC Yes

permissible range (ripple included), lower limit (DC) 20.4 V

permissible range (ripple included), upper limit (DC) 28.8 V

External protection for supply cables (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

I²t 0.1 A²·s

Output voltage

Rated value (DC) 5 V

Rated value, 5 V DC Yes

Output current

for backplane bus (5 V DC), max. 1 A

Power losses	
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	1000 ms
Time stamp on signal change	rising / falling edge as signal entering or exiting
Interfaces	
Interface physics, RS 485	Yes
PROFIBUS DP	
Node addresses	1 to 125 permitted
Automatic detection of transmission speed	Yes
PROFIBUS DP, 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
PROFIBUS DP	9-pin sub D socket
1st interface	
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
Communication functions	
Bus protocol/transmission protocol	PROFIBUS DP to EN 50170
Isolation	
Isolation checked with	Isolation voltage 500 V
Degree and class of protection	

IP20	Yes
Ambient conditions	
Operating temperature	
Min.	0 °C
max.	60 °C
Dimensions	
Width	40 mm
Height	125 mm
Depth	117 mm
Weights	
Weight, approx.	360 g
Status	Oct 13, 2014