

SIMATIC DP, 1 ELECTRON. MODULE ET 200S: 4DI DC 24V
NAMUR, 15 MM WIDTH, WITH LED SF (GROUP FAULT),



Supply voltage

Rated value (DC)	
• 24 V DC	Yes
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V

Encoder supply

Number of outputs	1
Type of output voltage	min. 8.2 V, loaded
Short-circuit protection	Yes; Electronic

Output current

• Rated value	45 mA
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Power loss

Power loss, typ.	1.6 W
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Address area

Address space per module	
• with packing	4 bit
• without packing	1 byte

Digital inputs	
Number of digital inputs	4
Number of NAMUR inputs	4
Parallel switching of inputs	No
Number of simultaneously controllable inputs	
• Number of simultaneously controllable inputs	4
Input voltage	
• Type of input voltage	DC
Input current	
for 10 k switched contact	
— for signal "0"	0.35 to 1.2 mA
— for signal "1"	2.1 to 7 mA
for unswitched contact	
— for signal "0", max. (permissible quiescent current)	0.5 mA
— for signal "1"	typ. 8 mA
for NAMUR encoders	
— for signal "0"	0.35 to 1.2 mA
— for signal "1"	2.1 to 7 mA
Input delay (for rated value of input voltage)	
for standard inputs	
— at "0" to "1", max.	4.6 µs
— at "1" to "0", max.	4.6 µs
Cable length	
• shielded, max.	200 m
Interrupts/diagnostics/status information	
Diagnostic functions	Yes; Diagnostic alarm
Alarms	
• Diagnostic alarm	Yes; can be set
• Hardware interrupt	No
Diagnostic messages	
• Diagnostic information readable	Yes
• Wire-break	Yes
Diagnostics indication LED	
• Group error SF (red)	Yes
• Status indicator digital input (green)	Yes; per channel
Parameter	
Remark	12 byte
Potential separation	
Potential separation digital inputs	
• between the channels	No

- between the channels and backplane bus
- Between the channels and load voltage L+

Yes

Yes

Permissible potential difference

between different circuits

75 V DC/60 V AC

Isolation

Isolation tested with

500 V DC

Dimensions

Width

15 mm

Height

81 mm

Depth

52 mm

Weights

Weight, approx.

35 g

last modified:

10/15/2016