

SIMATIC DP, 5 electronic modules for ET 200S, 4DI standard 24 V DC, 15 mm width, 5 units per packing unit



Supply voltage	
Rated value (DC)	
<ul style="list-style-type: none"> • 24 V DC 	Yes; From power module
Reverse polarity protection	Yes
Input current	
from supply voltage L+, max.	Dependent on encoder
from backplane bus 3.3 V DC, max.	10 mA
Encoder supply	
Type of output voltage	min. L+ (-0.5 V), under load
Output current	
<ul style="list-style-type: none"> • Rated value • permissible range, lower limit • permissible range, upper limit 	500 mA 0 mA 500 mA
Power loss	
Power loss, typ.	0.7 W
Address area	
Address space per module	

- with packing 4 bit
- without packing 1 byte

Digital inputs

Number of digital inputs	4
Input characteristic curve in accordance with IEC 61131, type 1	Yes

Input voltage

- Type of input voltage DC
- Rated value (DC) 24 V
- for signal "0" -30 to +5V
- for signal "1" +15 to +30V

Input current

- for signal "1", typ. 7 mA; at 24 V

Input delay (for rated value of input voltage)

for standard inputs	
— parameterizable	No
— at "0" to "1", min.	2 ms; typically 3 ms
— at "0" to "1", max.	4.5 ms
— at "1" to "0", min.	2 ms; typically 3 ms
— at "1" to "0", max.	4.5 ms

Cable length

- shielded, max. 1 000 m
- unshielded, max. 600 m

Encoder

Connectable encoders

- 2-wire sensor Yes
- permissible quiescent current (2-wire sensor), max. 1.5 mA

Interrupts/diagnostics/status information

Diagnostic functions	No
Diagnostics indication LED	
• Group error SF (red)	No
• Status indicator digital input (green)	Yes; per channel

Parameter

Remark	1 byte
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Potential separation

Potential separation digital inputs	
• between the channels	No
• between the channels and backplane bus	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
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