

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"> <li>• 24 V DC</li> </ul>	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"> <li>• Rated value</li> <li>• permissible range, lower limit</li> <li>• permissible range, upper limit</li> </ul>	500 mA 0 mA 500 mA
Power loss	
Power loss, typ.	0.7 W
Address area	
Address space per module	

- Address space per module, max. 1 byte
- with packing 4 bit

## 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 +5 V
- for signal "1" +15 to +30 V

### 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

Diagnostics function No

### Diagnostics indication LED

- Group error SF (red) No
- Status indicator digital input (green) Yes; per channel

## Parameter

Remark 1 byte

## Potential separation

### Potential separation digital inputs

- between the channels No
- between the channels and backplane bus Yes

## Isolation

Isolation tested with	500 V DC
<b>Dimensions</b>	
Width	15 mm
Height	81 mm
Depth	52 mm
<b>Weights</b>	
Weight, approx.	35 g
<b>last modified:</b>	04/03/2020