

SIMATIC DP, 5 ELECTRON. MODULES FOR ET 200S, 4 DI SOURCE INPUT 24V DC, 15 MM WIDTH, 5 PIECES PER PACKAGING UNIT



| Supply voltage  |                           |
|---|---------------------------|
| Rated value (DC)  |                           |
| <ul style="list-style-type: none"> <li>• 24 V DC</li> </ul>           | Yes; From power module    |
| permissible range, lower limit (DC)                                   | 20.4 V                    |
| permissible range, upper limit (DC)                                   | 28.8 V                    |
| Reverse polarity protection   | Yes                       |
| Input current   |                           |
| from supply voltage L+, max.  | Dependent on encoder      |
| Encoder supply  |                           |
| Type of output voltage  | max. M +0.5 V, under load |
| Output current  |                           |
| <ul style="list-style-type: none"> <li>• Rated value</li> </ul>       | 500 mA                    |
| <ul style="list-style-type: none"> <li>• permissible range</li> </ul> | 0 to 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" -5 to +30V
- 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

Diagnostic functions 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

## Permissible potential difference

|                            |                 |
|----------------------------|-----------------|
| between different circuits | 75 V DC/60 V AC |
| <b>Isolation</b>           |                 |
| 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>      | 14.05.2016      |