

SIMATIC DP, 5 ELECTRON. MODULES FOR ET 200S, 2 DI  
STANDARD 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         |
| 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> </ul>       | 500 mA                       |
| <ul style="list-style-type: none"> <li>• permissible range</li> </ul> | 0 to 500 mA                  |
| Power loss  |                              |
| Power loss, typ.  | 0.4 W                        |
| Address area  |                              |

|   |                      |
|---|----------------------|
| <b>Address space per module</b>                                 |                      |
| • with packing  | 2 bit                |
| • without packing   | 1 byte               |
| <b>Digital inputs</b>   |                      |
| Number of digital inputs  | 2                    |
| Input characteristic curve in accordance with IEC 61131, type 1 | Yes                  |
| <b>Input voltage</b>  |                      |
| • Type of input voltage   | DC                   |
| • Rated value (DC)  | 24 V                 |
| • for signal "0"  | -30 to +5V           |
| • for signal "1"  | +15 to +30V          |
| <b>Input current</b>  |                      |
| • for signal "1", typ.  | 7 mA; at 24 V        |
| <b>Input delay (for rated value of input voltage)</b>           |                      |
| 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               |
| <b>Cable length</b>   |                      |
| • shielded, max.  | 1 000 m              |
| • unshielded, max.  | 600 m                |
| <b>Encoder</b>  |                      |
| <b>Connectable encoders</b>                                     |                      |
| • 2-wire sensor   | Yes                  |
| — permissible quiescent current (2-wire sensor), max.           | 1.5 mA               |
| <b>Interrupts/diagnostics/status information</b>                |                      |
| Diagnostic functions  | No                   |
| <b>Diagnostics indication LED</b>                               |                      |
| • Group error SF (red)  | No                   |
| • Status indicator digital input (green)                        | Yes; per channel     |
| <b>Parameter</b>  |                      |
| Remark  | 1 byte               |
| <b>Potential separation</b>                                     |                      |
| <b>Potential separation digital inputs</b>                      |                      |
| • 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

**last modified:** 13.02.2016