



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)   | 24 V; 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> </ul>                    | 500 mA                       |
| <ul style="list-style-type: none"> <li>permissible range, lower limit</li> </ul> | 0 mA                         |
| <ul style="list-style-type: none"> <li>permissible range, upper limit</li> </ul> | 500 mA                       |
| Power loss   |                              |
| Power loss, typ.   | 0.7 W                        |
| Address area   |                              |
| Address space per module   |                              |
| <ul style="list-style-type: none"> <li>Address space per module, max.</li> </ul> | 1 byte                       |
| <ul style="list-style-type: none"> <li>with packing</li> </ul>                   | 4 bit                        |
| Digital inputs   |                              |
| Number of digital inputs   | 4                            |
| Input characteristic curve in accordance with IEC 61131, type 1                  | Yes                          |
| Input voltage  |                              |
| <ul style="list-style-type: none"> <li>Type of input voltage</li> </ul>          | DC                           |
| <ul style="list-style-type: none"> <li>Rated value (DC)</li> </ul>               | 24 V                         |
| <ul style="list-style-type: none"> <li>for signal "0"</li> </ul>                 | -30 to +5 V                  |
| <ul style="list-style-type: none"> <li>for signal "1"</li> </ul>                 | +15 to +30 V                 |
| Input current  |                              |
| <ul style="list-style-type: none"> <li>for signal "1", typ.</li> </ul>           | 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   |                              |
| <ul style="list-style-type: none"> <li>shielded, max.</li> </ul>                 | 1 000 m                      |
| <ul style="list-style-type: none"> <li>unshielded, max.</li> </ul>               | 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

#### Dimensions

Width 15 mm

Height 81 mm

Depth 52 mm

#### Weights

Weight, approx. 35 g

**last modified:** 9/22/2023 