

SIMATIC DP, 1 ELECTR. MODULE FOR ET 200S, 8 DI DC 24V 15 MM WIDTH, 1 PIECE PER PACKAGING UNIT



Figure similar

| Supply voltage  |                      |
|---|----------------------|
| Rated value (DC)  |                      |
| <ul style="list-style-type: none"> <li>• 24 V DC</li> </ul>         | Yes                  |
| 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  |                      |
| Number of outputs   | 0; no encoder supply |
| Power loss  |                      |
| Power loss, typ.  | 1.2 W                |
| Address area  |                      |
| Address space per module  |                      |
| <ul style="list-style-type: none"> <li>• without packing</li> </ul> | 1 byte               |

| Digital inputs  |  |
|---|--|
| Number of digital inputs  | 8  |
| Input characteristic curve in accordance with IEC 61131, type 1 | Yes; 2-wire sensors connectable                |
| Number of simultaneously controllable inputs                    |  |
| • Number of simultaneously controllable inputs                  | 8  |
| 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.  | 5 mA   |
| Input delay (for rated value of input voltage)                  |  |
| for standard inputs   |  |
| — parameterizable   | No   |
| — at "0" to "1", min.   | 2 ms   |
| — at "0" to "1", max.   | 4.5 ms   |
| — at "1" to "0", min.   | 2 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   |
| Isochronous mode  |  |
| Isochronous operation (application synchronized up to terminal) | Yes; TWE = 3000 us                             |
| Interrupts/diagnostics/status information                       |  |
| Diagnostic functions  | No   |
| Diagnostics indication LED                                      |  |
| • Status indicator digital input (green)                        | Yes  |
| Parameter   |  |
| Remark  | 3-byte parameter (not accessible for the user) |
| 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

**last modified:**

12/10/2016