

SIMATIC DP, ELECTRONIC MODULE FOR ET 200S, 1 STEP 5V/204KHZ FOR POSITIONING STEPPER MOTOR 15MM WIDE, SINGLE CHANNEL, +/-5V INTERF. FOR POWER SECTION



Figure similar

| Supply voltage                                                  |                                                                |
|-----------------------------------------------------------------|----------------------------------------------------------------|
| Load voltage L+                                                 |                                                                |
| • Rated value (DC)                                              | 24 V                                                           |
| • Reverse polarity protection                                   | Yes                                                            |
| Input current                                                   |                                                                |
| From load voltage L+ (no load), typ.                            | 40 mA                                                          |
| from backplane bus 3.3 V DC, max.                               | 10 mA                                                          |
| Power loss                                                      |                                                                |
| Power loss, typ.                                                | 1.5 W                                                          |
| Digital inputs                                                  |                                                                |
| Number of digital inputs                                        | 2                                                              |
| Functions                                                       | Reference cams, pulse suppression, external stop, limit switch |
| Repeat frequency, max.                                          | 100 Hz                                                         |
| Input characteristic curve in accordance with IEC 61131, type 2 | Yes                                                            |
| Input voltage                                                   |                                                                |

|                                                                                                                                                                                           |                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Rated value (DC)</li> <li>• for signal "0"</li> <li>• for signal "1"</li> </ul>                                                                  | 24 V<br>-30 to +5 V (-15% / +20%)<br>+11 to +30V                                                                                    |
| <b>Input current</b>                                                                                                                                                                      |                                                                                                                                     |
| <ul style="list-style-type: none"> <li>• for signal "0", max. (permissible quiescent current)</li> <li>• for signal "1", typ.</li> </ul>                                                  | 2 mA<br>9 mA                                                                                                                        |
| <b>Input delay (for rated value of input voltage)</b>                                                                                                                                     |                                                                                                                                     |
| for standard inputs                                                                                                                                                                       |                                                                                                                                     |
| — at "0" to "1", max.                                                                                                                                                                     | 4 ms                                                                                                                                |
| — at "1" to "0", max.                                                                                                                                                                     | 4 ms                                                                                                                                |
| <b>Cable length</b>                                                                                                                                                                       |                                                                                                                                     |
| <ul style="list-style-type: none"> <li>• shielded, max.</li> <li>• unshielded, max.</li> </ul>                                                                                            | 1 000 m<br>600 m                                                                                                                    |
| <b>Encoder</b>                                                                                                                                                                            |                                                                                                                                     |
| <b>Connectable encoders</b>                                                                                                                                                               |                                                                                                                                     |
| <ul style="list-style-type: none"> <li>• 2-wire sensor</li> </ul>                                                                                                                         | Yes                                                                                                                                 |
| <b>Interrupts/diagnostics/status information</b>                                                                                                                                          |                                                                                                                                     |
| <b>Diagnostics indication LED</b>                                                                                                                                                         |                                                                                                                                     |
| <ul style="list-style-type: none"> <li>• Description</li> <li>• Positioning mode POS (green)</li> <li>• Group error SF (red)</li> <li>• Status indicator digital input (green)</li> </ul> | 1 green LED for status indication "Ready for positioning jobs"<br>Yes<br>Yes<br>Yes                                                 |
| <b>Integrated Functions</b>                                                                                                                                                               |                                                                                                                                     |
| <b>Step-by-step controllers</b>                                                                                                                                                           |                                                                                                                                     |
| <ul style="list-style-type: none"> <li>• Number of stepper motor channels</li> <li>• Cable length, max.</li> <li>• Connection for stepper motors</li> </ul>                               | 1<br>100 m; twisted and shielded in pairs<br>Differential signals for pulses (PULSE, notPULSE) and direction (DIR, notDIR) to RS422 |
| <b>Dimensions</b>                                                                                                                                                                         |                                                                                                                                     |
| Width                                                                                                                                                                                     | 15 mm                                                                                                                               |
| Height                                                                                                                                                                                    | 81 mm                                                                                                                               |
| Depth                                                                                                                                                                                     | 52 mm                                                                                                                               |
| <b>Weights</b>                                                                                                                                                                            |                                                                                                                                     |
| Weight, approx.                                                                                                                                                                           | 40 g                                                                                                                                |
| <b>last modified:</b>                                                                                                                                                                     | 10/28/2016                                                                                                                          |