

SIMATIC DP, Electronics module for ET 200S, 1 STEP 5 V/204 kHz for stepper motor positioning 15 mm wide, 1-channel +/-5 V interface to power unit



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"> Rated value (DC) | 24 V |
| <ul style="list-style-type: none"> for signal "0" | -30 to +5 V (-15% / +20%) |
| <ul style="list-style-type: none"> for signal "1" | +11 to +30V |
| Input current | |
| <ul style="list-style-type: none"> for signal "0", max. (permissible quiescent current) | 2 mA |
| <ul style="list-style-type: none"> for signal "1", typ. | 9 mA |
| Input delay (for rated value of input voltage) | |
| for standard inputs | |
| — at "0" to "1", max. | 4 ms |
| — at "1" to "0", max. | 4 ms |
| Cable length | |
| <ul style="list-style-type: none"> shielded, max. | 1 000 m |
| <ul style="list-style-type: none"> unshielded, max. | 600 m |
| Encoder | |
| Connectable encoders | |
| <ul style="list-style-type: none"> 2-wire sensor | Yes |
| Interrupts/diagnostics/status information | |
| Diagnostics indication LED | |
| <ul style="list-style-type: none"> RDY LED | Yes |
| <ul style="list-style-type: none"> Positioning mode POS (green) | Yes |
| <ul style="list-style-type: none"> Group error SF (red) | Yes |
| <ul style="list-style-type: none"> Status indicator digital input (green) | Yes |
| Integrated Functions | |
| Step-by-step controllers | |
| <ul style="list-style-type: none"> Number of stepper motor channels | 1 |
| <ul style="list-style-type: none"> Cable length, max. | 100 m; twisted and shielded in pairs |
| <ul style="list-style-type: none"> Connection for stepper motors | Differential signals for pulses (PULSE, notPULSE) and direction (DIR, notDIR) to RS 422 |
| Dimensions | |
| Width | 15 mm |
| Height | 81 mm |
| Depth | 52 mm |
| Weights | |
| Weight, approx. | 40 g |
| last modified: | 12/09/2020 |