



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"> Rated value | 500 mA |
| <ul style="list-style-type: none"> permissible range, lower limit | 0 mA |
| <ul style="list-style-type: none"> permissible range, upper limit | 500 mA |
| Power loss | |
| Power loss, typ. | 0.7 W |
| Address area | |
| Address space per module | |
| <ul style="list-style-type: none"> Address space per module, max. | 1 byte |
| <ul style="list-style-type: none"> with packing | 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"> Type of input voltage | DC |
| <ul style="list-style-type: none"> Rated value (DC) | 24 V |
| <ul style="list-style-type: none"> for signal "0" | -30 to +5 V |
| <ul style="list-style-type: none"> for signal "1" | +15 to +30 V |
| Input current | |
| <ul style="list-style-type: none"> for signal "1", typ. | 7 mA; at 24 V |
| Input delay (for rated value of input voltage) | |
| for standard inputs | |
| <ul style="list-style-type: none"> parameterizable | No |
| <ul style="list-style-type: none"> at "0" to "1", min. | 2 ms; typically 3 ms |
| <ul style="list-style-type: none"> at "0" to "1", max. | 4.5 ms |
| <ul style="list-style-type: none"> at "1" to "0", min. | 2 ms; typically 3 ms |
| <ul style="list-style-type: none"> at "1" to "0", max. | 4.5 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 | |

| | |
|---|------------------|
| • 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: 1/19/2021 