



SIMATIC DP,
5 ELECTRON. MODULES FOR ET 200S,
4 DI STANDARD 24V DC, 15 MM WIDTH,
5 PIECES PER PACKAGING UNIT

| Supply voltage | |
|-------------------------------------|------------------------------|
| 24 V DC | Yes ; From power module |
| permissible range, lower limit (DC) | 20.4 V |
| permissible range, upper limit (DC) | 28.8 V |
| Reverse polarity protection | Yes |
| Input current | |
| from backplane bus 3.3 V DC, max. | 10 mA |
| from supply voltage L+, max. | Dependent on encoder |
| Encoder supply | |
| Output voltage | min. L+ (-0.5 V), under load |
| Output current | |
| Output current, rated value | 500 mA |
| Output current, permissible range | 0 to 500 mA |
| Power loss | |
| Power loss, typ. | 0.7 W |
| Address area | |
| Address space per module | |
| with packing | 4 bit |

| | |
|---|-----------------------|
| without packing | 1 byte |
| Digital inputs | |
| Number of digital inputs | 4 |
| Input characteristic curve in accordance with IEC 61131, type 1 | Yes |
| Input voltage | |
| Type of input voltage | DC |
| Rated value, DC | 24 V |
| for signal "0" | -30 to +5 V |
| for signal "1" | 15 to 30 V |
| Input current | |
| for signal "1", typ. | 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 | |
| Cable length, shielded, max. | 1000 m |
| Cable length 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 | |
| Diagnostic messages | |
| Diagnostic functions | No |
| Diagnostics indication LED | |
| Group error SF (red) | No |
| Status indicator digital input (green) | Yes ; per channel |
| Parameter | |
| Remark | 1 byte |
| Galvanic isolation | |
| Galvanic isolation digital inputs | |
| between the channels | No |
| between the channels and the backplane bus | Yes |

| | |
|---|-----------------|
| Permissible potential difference | |
| between different circuits | 75 VDC / 60 VAC |
| Isolation | |
| Isolation tested with | 500 V DC |
| Dimensions | |
| Width | 15 mm |
| Height | 81 mm |
| Depth | 52 mm |
| Weights | |
| Weight, approx. | 35 g |
| Status | Jul 27, 2014 |