

SIMATIC S7-1200, DIGITAL INPUT SB 1221, 4DI, 24VDC 200KHZ, SOURCE



Figure similar

| | |
|--|--|
| Input current | |
| from backplane bus 5 V DC, typ. | 40 mA |
| Power loss | |
| Power loss, typ. | 1 W |
| Digital inputs | |
| Number of digital inputs | 4; Current-sourcing |
| • in groups of | 4 |
| Input voltage | |
| • Type of input voltage | DC |
| • Rated value (DC) | 24 V |
| • for signal "0" | (L+ minus 5.0 V DC) ... L+ (1.4 ... 0 mA) |
| • for signal "1" | 0 V ... (L+ minus 10 V DC (10 ... 2.9 mA)) |
| Input current | |
| • for signal "0", max. (permissible quiescent current) | 1.4 mA |
| • for signal "1", min. | 2.9 mA |

| | |
|---|--|
| • for signal "1", typ. | 7 mA |
| Input delay (for rated value of input voltage) | |
| for standard inputs | |
| — parameterizable | Yes; 0.1 / 0.2 / 0.4 / 0.8 / 1.6 / 3.2 / 6.4 / 10.0 / 12.8 / 20.0 µs; 0.05 / 0.1 / 0.2 / 0.4 / 0.8 / 1.6 / 3.2 / 6.4 / 10.0 / 12.8 / 20.0 ms |
| for interrupt inputs | |
| — parameterizable | Yes |
| for counter/technological functions | |
| — parameterizable | Yes |
| Cable length | |
| • shielded, max. | 50 m; shielded, twisted pair |
| Interrupts/diagnostics/status information | |
| Diagnostics indication LED | |
| • for status of the inputs | Yes |
| Degree and class of protection | |
| Degree of protection acc. to EN 60529 | |
| • IP20 | Yes |
| Ambient conditions | |
| Free fall | |
| • Fall height, max. | 0.3 m; five times, in product package |
| Ambient temperature during operation | |
| • min. | -20 °C |
| • max. | 60 °C |
| • horizontal installation, min. | -20 °C |
| • horizontal installation, max. | 60 °C |
| • vertical installation, min. | -20 °C |
| • vertical installation, max. | 50 °C |
| Ambient temperature during storage/transportation | |
| • min. | -40 °C |
| • max. | 70 °C |
| Air pressure acc. to IEC 60068-2-13 | |
| • Storage/transport, min. | 660 hPa |
| • Storage/transport, max. | 1 080 hPa |
| Relative humidity | |
| • Operation at 25 °C without condensation, max. | 95 % |
| Mechanics/material | |
| Enclosure material (front) | |
| • Plastic | Yes |
| Dimensions | |
| Width | 38 mm |

| | |
|-----------------------|------------|
| Height | 62 mm |
| Depth | 21 mm |
| Weights | |
| Weight, approx. | 35 g |
| last modified: | 11/29/2017 |