



6ES7221-3BD30-0XB0 S7-1200, SIGNAL BOARD 4 DI 24VDC 200KHZ

Technical / CAx data

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

**Supply voltages**

**Power supply to the transmitters**

**Supply current, max.** 4 mA; per channel

**Current consumption**

**from backplane bus 5 V DC, typ.** 50 mA

**Power losses**

**Power loss, typ.** 1 W

**Digital inputs**

**Number of digital inputs** 4

**in groups of** 1

**Number of simultaneously controllable inputs**

**all mounting positions**

**Concurrently controllable inputs, up to 40 °C** 4

**Input characteristic curve acc. to IEC 1131, Type 2** Yes

**Input voltage**

**Rated value, DC** 24 V

**for signal "0"** 0 to 5 V

**for signal "1"** 15 to 30 V

**Input current**

**for signal "0", max. (permissible quiescent current)** 2 mA

**for signal "1", min.** 5.8 mA

**for signal "1", typ.** 14 mA

**Input delay (for rated value of input voltage)**

**for standard inputs**

**parameterizable** Yes; 0.2, 0.4, 0.8, 1.6, 3.2, 6.4, and 12.8 ms, selectable in groups of four

**at "0" to "1", max.** 2.5 µs

**for interrupt inputs**

**parameterizable** Yes

**for counter/technological functions**

**parameterizable** Yes

**Cable length**

**Cable length, shielded, max.** 50 m; Standard input: 500 m, high-speed counters: 50 m

**Interrupts/diagnostics/status information**

**Alarms**

**Alarms** Yes

**Diagnoses**

**Diagnostic functions** Yes

**Degree of protection**

<b>IP20</b>	Yes
<b>Mechanics</b>	
<b>Plastic</b>	Yes
<b>Dimensions and weight</b>	
<b>Dimensions</b>	
<b>Width</b>	38 mm
<b>Height</b>	62 mm
<b>Depth</b>	21 mm
<b>Weight</b>	
<b>Weight, approx.</b>	40 g
<b>Status</b>	Jun 14, 2010