



6ES7221-3AD30-0XB0 S7-1200, SIGNAL BOARD 4 DI 5VDC 200KHZ

Technical / CAx data

☒ Technical Data ☐ CAx data

SIMATIC S7-1200, DIGITAL INPUT SB 1221, 4DI, 5VDC 200KHZ
Supply voltages
Power supply to the transmitters

Supply current, max.	4 mA; per channel
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Current consumption

from backplane bus 5 V DC, typ.	50 mA
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Power losses

Power loss, typ.	1 W
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Digital inputs

Number of digital inputs	4
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in groups of	1
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Number of simultaneously controllable inputs

all mounting positions

Concurrently controllable inputs, up to 40 °C	4
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Input characteristic curve acc. to IEC 1131, Type 1	Yes
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Input voltage

Rated value, DC	5 V
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for signal "0"	0 to 1 V
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for signal "1"	2 to 6 V
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Input current

for signal "0", max. (permissible quiescent current)	3 mA
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for signal "1", min.	6 mA
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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
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at "0" to "1", max.	2 µs
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for interrupt inputs

parameterizable	Yes
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for counter/technological functions

parameterizable	Yes
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Cable length

Cable length, shielded, max.	50 m
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Digital outputs

Short-circuit protection of the output	No
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Interrupts/diagnostics/status information
Alarms

Alarms	Yes
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Diagnoses

Diagnostic functions	Yes
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Degree of protection

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