



6ES7223-3AD30-0XB0 S7-1200, SIGNAL BOARD 2DI/2DQ 5V 200KHZ

Technical / CAx data

 Technical Data
 CAx data
SIMATIC S7-1200, DIGITAL I/O SB 1223, 2DI/2DQ, 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	2
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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	2
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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

Number of digital outputs	2
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in groups of	1
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Short-circuit protection of the output	No
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Switching capacity of the outputs

with resistive load, max.	0.1 A
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Output voltage

Rated value (DC)	5 V
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for signal "0" (DC), max.	0.4 V
for signal "1", min.	L+ (-0.5 V)
for signal "1" (DC), max.	6 V
Output current	
for signal "1" rated value	0.1 A
for signal "1" permissible range, max.	0.11 A
Load resistance range	
upper limit	5 Ω
Cable length	
Cable length, shielded, max.	50 m
Interrupts/diagnostics/status information	
Alarms	
Alarms	Yes
Diagnoses	
Diagnostic functions	Yes
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