



6ES7223-3BD30-0XB0 S7-1200, SIGNAL BOARD 2DI/2DQ 24V 200KHZ

Technical / CAx data

Technical Data CAx data

SIMATIC S7-1200, DIGITAL I/O SB 1223, 2DI/2DQ, 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 2

in groups of 1

Number of simultaneously controllable inputs

all mounting positions

Concurrently controllable inputs, up to 40 °C 2

Input characteristic curve acc. to IEC 1131, Type 1 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 for technological functions

Digital outputs

Number of digital outputs 2

in groups of 1

Short-circuit protection of the output No

Switching capacity of the outputs

with resistive load, max. 0.1 A

Output voltage

Rated value (DC)	24 V
for signal "0" (DC), max.	0.1 V; with 10k ohms load
for signal "1", min.	20 V
Output current	
for signal "1" rated value	0.1 A
for signal "0" residual current, max.	10 μ A
Load resistance range	
upper limit	10 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