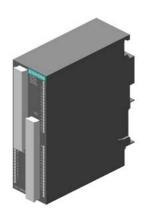
6ES7321-1BP00-0AA0

Data sheet



SIMATIC S7-300 digital input SM 321, Isolated in groups of 16, 64 DI, 24 V DC, 3ms, Sink/source input Terminal blocks 6ES7392-1.N00-0AA0 and cable 6ES7392-4...0-0AA0 required

Supply voltage	
Load voltage L+	
 Rated value (DC) 	24 V
 Reverse polarity protection 	Yes
Input current	
from backplane bus 5 V DC, max.	100 mA
Power loss	
Power loss, typ.	7 W
Digital inputs	
Number of digital inputs	64
Input characteristic curve in accordance with IEC 61131, type 1	Yes
Number of simultaneously controllable inputs	
all mounting positions	
— up to 40 °C, max.	64
— up to 60 °C, max.	32
horizontal installation	
— up to 40 °C, max.	64
— up to 60 °C, max.	32
vertical installation	
— up to 40 °C, max.	32
Input voltage	
 Type of input voltage 	DC
 Rated value (DC) 	24 V
● for signal "0"	-30 to +5 V
● for signal "1"	13 to 30V
Input current	
● for signal "1", typ.	4.2 mA
Input delay (for rated value of input voltage)	
for standard inputs	
— parameterizable	No
— Rated value	4.2 ms
— at "0" to "1", min.	1.2 ms
— at "0" to "1", max.	4.8 ms
— at "1" to "0", min.	1.2 ms
— at "1" to "0", max.	4.8 ms
Cable length	
shielded, max.	1 000 m
unshielded, max.	600 m

Encoder	
Connectable encoders	
• 2-wire sensor	No
Interrupts/diagnostics/status information	
Alarms	No
Diagnostics function	No
Alarms	
 Diagnostic alarm 	No
Hardware interrupt	No
Diagnoses	
 Diagnostic information readable 	No
Wire-break	No
Diagnostics indication LED	
Group error SF (red)	No
 Status indicator digital input (green) 	Yes
Encoder supply Vs (green)	No
Potential separation	
Potential separation digital inputs	
 between the channels 	No
 between the channels, in groups of 	16
between the channels and backplane bus	Yes; Optocoupler
Isolation	
Isolation tested with	500 V DC
connection method / header	
required front connector	Cable: 6ES7392-4Bxx0-0AA0 terminal blocks: 6ES7392-1xN00-0AA0
Dimensions	
Width	40 mm
Height	125 mm
Death	112 mm
Depth	
Weights	

12/16/2020 🖸

last modified: