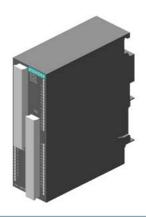
## 6ES7321-1BP00-0AA0

**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+		
<ul> <li>Rated value (DC)</li> </ul>	24 V	
<ul> <li>Reverse polarity protection</li> </ul>	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		
<ul> <li>Type of input voltage</li> </ul>	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	1 000 m	
• shielded, max.	1 000 m	
<ul><li>unshielded, max.</li></ul>	600 m	

Encoder	
Connectable encoders	
• 2-wire sensor	No
Interrupts/diagnostics/status information	
Alarms	No
Diagnostics function	No
Alarms	
<ul> <li>Diagnostic alarm</li> </ul>	No
Hardware interrupt	No
Diagnoses	
<ul> <li>Diagnostic information readable</li> </ul>	No
Wire-break	No
Diagnostics indication LED	
<ul><li>Group error SF (red)</li></ul>	No
<ul> <li>Status indicator digital input (green)</li> </ul>	Yes
Encoder supply Vs (green)	No
Potential separation	
Potential separation digital inputs	
<ul> <li>between the channels</li> </ul>	No
<ul> <li>between the channels, in groups of</li> </ul>	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: