

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



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Supply voltage	
Load voltage L+	
<ul style="list-style-type: none"> <li>Rated value (DC)</li> </ul>	24 V
<ul style="list-style-type: none"> <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
<b>vertical installation</b>	
— up to 40 °C, max.	32
<b>Input voltage</b>	
• Type of input voltage	DC
• Rated value (DC)	24 V
• for signal "0"	-30 to +5 V
• for signal "1"	13 to 30V
<b>Input current</b>	
• for signal "1", typ.	4.2 mA
<b>Input delay (for rated value of input voltage)</b>	
<b>for standard inputs</b>	
— 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
<b>Cable length</b>	
• shielded, max.	1 000 m
• unshielded, max.	600 m
<b>Encoder</b>	
<b>Connectable encoders</b>	
• 2-wire sensor	No
<b>Interrupts/diagnostics/status information</b>	
<b>Alarms</b>	
Alarms	No
<b>Diagnostics function</b>	
Diagnostics function	No
<b>Alarms</b>	
• Diagnostic alarm	No
• Hardware interrupt	No
<b>Diagnostic messages</b>	
• Diagnostic information readable	No
• Wire-break	No
<b>Diagnostics indication LED</b>	
• Group error SF (red)	No
• Status indicator digital input (green)	Yes
• Encoder supply Vs (green)	No
<b>Potential separation</b>	
<b>Potential separation digital inputs</b>	
• 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

required front connector

Cable: 6ES7392-4Bxx0-0AA0 terminal blocks: 6ES7392-1xN00-0AA0

#### Dimensions

Width

40 mm

Height

125 mm

Depth

112 mm

#### Weights

Weight, approx.

230 g

**last modified:**

05/13/2020