

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
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Power loss

Power loss, typ.	7 W
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Digital inputs

Number of digital inputs	64
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Input characteristic curve in accordance with IEC 61131, type 1	Yes
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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
Diagnostic messages	
• 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

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:

06/09/2020