

SIEMENS

Product data sheet

6ES7321-1BP00-0AA0



SIMATIC S7-300 DIGITAL INPUT SM321,
OPTICALLY ISOLATED IN GROUPS OF 16,
64 DI,DC 24V, 3MS,
SINKING/SOURCING TERMINAL BLOCKS 6ES7392-
1.N00-0AA0 AND CABLES 6ES7392-4...0-0AA0
NECESSARY

Supply voltage	
Load voltage L+	
Rated value (DC)	24 V
Input current	
from backplane bus 5 V DC, max.	100 mA
Power losses	
Power loss, typ.	7 W
Digital inputs	
Number/binary inputs	64
Input characteristic curve acc. to 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 30 V
Input current	
for signal "1", typ.	4.2 mA ; Typical
Input delay (for rated value of input voltage)	
for standard inputs	
Parameterizable	No
at "0" to "1", min.	1.2 ms
at "0" to "1", max.	4.8 ms
Cable length	
Cable length, shielded, max.	1000 m
Cable length unshielded, max.	600 m
Encoder	
Connectable encoders	
2-wire sensor	No
Isochronous mode	
Isochronous operation (application synchronized up to terminal)	No
Interrupts/diagnostics/status information	
Alarms	
Alarms	No
Diagnostic alarm	No
Hardware interrupt	No
Diagnostic messages	
Diagnostic functions	No
Diagnostics	No
Diagnostics indication LED	

Group error SF (red)	No
Status indicator digital input (green)	Yes
Galvanic isolation	
Galvanic isolation digital inputs	
between the channels	No
between the channels, in groups of	16
between the channels and the backplane bus	Yes ; Optocoupler
Isolation	
Isolation checked with	500 V DC
Connection method	
required front connector	Cable: 6ES7 392-4Bxx0-0AA0 terminal blocks: 6ES7 392-1xN00-0AA0
Dimensions	
Width	40 mm
Height	125 mm
Depth	112 mm
Weight	
Weight, approx.	230 g ; approx.
Status	Jul 25, 2012