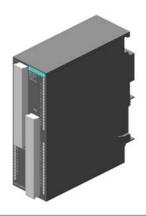
## Data sheet 6ES7322-1BP00-0AA0



SIMATIC S7-300 digital output SM 322, Isolated in groups of 16, 64DO, 24 V DC, 0.3A sink output Total current 2 A/group, 8 A/module 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>permissible range, lower limit (DC)</li> </ul>	20.4 V
<ul> <li>permissible range, upper limit (DC)</li> </ul>	28.8 V
Input current	
from load voltage L+ (without load), max.	75 mA
from backplane bus 5 V DC, max.	100 mA
Power loss	
Power loss, typ.	6 W
Digital outputs	
Number of digital outputs	64
Short-circuit protection	Yes; Electronic
<ul> <li>Response threshold, typ.</li> </ul>	0.7 to 1.9 A
Limitation of inductive shutdown voltage to	L+ (-53 V)
Controlling a digital input	Yes
Switching capacity of the outputs	
<ul> <li>on lamp load, max.</li> </ul>	5 W
Load resistance range	
<ul> <li>lower limit</li> </ul>	80 Ω
• upper limit	10 kΩ
Output voltage	
• for signal "1", min.	L+ (-0.5 V)
Output current	
<ul><li>for signal "1" rated value</li></ul>	0.3 A
<ul><li>for signal "1" permissible range, min.</li></ul>	2.4 mA
<ul><li>for signal "1" permissible range, max.</li></ul>	0.36 A
for signal "0" residual current, max.	0.1 mA
Output delay with resistive load	
• "0" to "1", max.	550 μs
• "1" to "0", max.	550 μs
Parallel switching of two outputs	
<ul><li>for uprating</li></ul>	No
for redundant control of a load	Yes
Switching frequency	
<ul> <li>with resistive load, max.</li> </ul>	100 Hz
<ul> <li>with inductive load, max.</li> </ul>	0.5 Hz
● on lamp load, max.	10 Hz
Total current of the outputs (per group)	

horizontal installation	
— up to 40 °C, max.	1.6 A
— up to 60 °C, max.	1.2 A
vertical installation	
— up to 40 °C, max.	1.6 A
Cable length	
• shielded, max.	1 000 m
• unshielded, max.	600 m
Interrupts/diagnostics/status information	
Alarms	No
Diagnostics function	No
Alarms	
Diagnostic alarm	No
Diagnoses	
<ul> <li>Diagnostic information readable</li> </ul>	No
<ul><li>Wire-break</li></ul>	No
Short-circuit	No
Fuse blown	No
<ul> <li>missing load voltage</li> </ul>	No
Potential separation	
Potential separation digital outputs	
<ul> <li>between the channels</li> </ul>	No
<ul> <li>between the channels, in groups of</li> </ul>	16
<ul> <li>between the channels and backplane bus</li> </ul>	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
Height Depth	125 mm 112 mm

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last modified: