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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+	
• Rated value (DC)	24 V
• permissible range, lower limit (DC)	20.4 V
• permissible range, upper limit (DC)	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
• Response threshold, typ.	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	

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• on lamp load, max.	5 W
Load resistance range	
• lower limit	80 Ω
• upper limit	10 kΩ
Output voltage	
• for signal "1", min.	L+ (-0.5 V)
Output current	
• for signal "1" rated value	0.3 A
• for signal "1" permissible range, min.	2.4 mA
• for signal "1" permissible range, max.	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	
• for uprating	No
• for redundant control of a load	Yes
Switching frequency	
• with resistive load, max.	100 Hz
• with inductive load, max.	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
Diagnostic messages	
• Diagnostic information readable	No
• Wire-break	No
• Short-circuit	No
• Fuse blown	No
• missing load voltage	No

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Potential separation	
Potential separation digital outputs	
• 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
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