SIEMENS

Data sheet 6ES7322-1BP50-0AA0



SIMATIC S7-300 DIGITAL OUTPUT SM322, OPTICALLY ISOLATED IN GROUPS OF 16, 64DO, DC 24V, 0.3A M-WRITE TOTAL CURRENT 2A/GROUP 8A/MODULE TERMINAL BLOCKS 6ES7392-1.N00-0AA0 AND CABLES 6ES7392-4...0-0AA0 NECESSARY

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
Limitation of inductive shutdown voltage to	M+ (45 V)
Switching capacity of the outputs	
• on lamp load, max.	5 W
Load resistance range	
• lower limit	80 Ω

Changes preserved
© Copyright Siemens AG

• upper limit	10 kΩ
Output voltage	
• for signal "1", min.	M+ (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
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
Total current of the outputs (per module)	
horizontal installation	
— up to 60 °C, max.	4.8 A
all other mounting positions	
— up to 40 °C, max.	6.4 A
Cable length	
• shielded, max.	1 000 m
• unshielded, max.	600 m

Interrupts/diagnostics/status information	
Diagnostic functions	No
Alarms	
• Diagnostic alarm	No
Diagnostic messages	
• Wire-break	No
• Short-circuit	No
• Fuse blown	No
• missing load voltage	No
Diagnostics indication LED	
• Rated load voltage PWR (green)	No
• Fuse OK FSG (green)	No
• Group error SF (red)	No
• Status indicator digital output (green)	Yes
• Channel fault indicator F (red)	No

Potential separation

Changes preserved
© Copyright Siemens AG

Potential separation digital outputs	
• between the channels	No
• between the channels, in groups of	16
• between the channels and backplane bus	Yes; Optocoupler
Permissible potential difference	
between different circuits	75 V DC/60 V AC
Isolation	
Isolation tested 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
Weights	
Weight, approx.	230 g

last modified: 23.03.2016

Changes preserved
© Copyright Siemens AG