



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

<b>Supply voltage</b>	
<b>Load voltage L+</b>	
Rated value (DC)	24 V
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
<b>Input current</b>	
from load voltage L+ (without load), max.	75 mA
from backplane bus 5 V DC, max.	100 mA
<b>Power losses</b>	
Power loss, typ.	6 W
<b>Digital outputs</b>	
Number of digital outputs	64
Limitation of inductive shutdown voltage to	L+ (-53 V)
<b>Switching capacity of the outputs</b>	
Lamp load, max.	5 W
<b>Load resistance range</b>	
lower limit	80 Ω
upper limit	10 kΩ

<b>Output voltage</b>	
for signal "1", min.	L+ (-0.5 V)
<b>Output current</b>	
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 "1" permissible range for 0 to 60 °C, max.	0.3 A
for signal "0" residual current, max.	0.1 mA
<b>Switching frequency</b>	
with resistive load, max.	100 Hz
with inductive load, max.	0.5 Hz
on lamp load, max.	10 Hz
<b>Aggregate current of outputs (per group)</b>	
<b>horizontal installation</b>	
up to 40 °C, max.	1.6 A
up to 60 °C, max.	1.2 A
<b>vertical installation</b>	
up to 40 °C, max.	1.6 A
<b>Total current of the outputs (per module)</b>	
<b>horizontal installation</b>	
up to 60 °C, max.	4.8 A
<b>all other mounting positions</b>	
up to 40 °C, max.	6.4 A
<b>Cable length</b>	
Cable length, shielded, max.	1000 m
Cable length unshielded, max.	600 m
<b>Interrupts/diagnostics/status information</b>	
<b>Alarms</b>	
Diagnostic alarm	No
<b>Diagnostic messages</b>	
Diagnostics	No
Wire break	No
Short circuit	No
Fuse blown	No
Missing load voltage	No
<b>Galvanic isolation</b>	
<b>Galvanic isolation digital outputs</b>	
between the channels, in groups of	16

<b>between the channels and the backplane bus</b>	Yes ; Optocoupler
<b>Isolation</b>	
<b>Isolation checked with</b>	500 V DC
<b>Connection method</b>	
<b>required front connector</b>	Cable: 6ES7 392-4Bxx0-0AA0 terminal blocks: 6ES7 392-1xN00-0AA0
<b>Dimensions</b>	
<b>Width</b>	40 mm
<b>Height</b>	125 mm
<b>Depth</b>	112 mm
<b>Weights</b>	
<b>Weight, approx.</b>	230 g
Status	Sep 2, 2013