

SIEMENS

Product 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 losses	
Power loss, typ.	6 W
Digital outputs	
Number/binary outputs	64
Limitation of inductive shutdown voltage to	M+ (45 V)
Lamp load, max.	5 W
Load resistance range	

lower limit	80 Ω
upper limit	10 k Ω
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
for signal "1" permissible range for 0 to 60 °C, max.	0.3 A
Switching frequency	
with resistive load, max.	100 Hz
with inductive load, max.	0.5 Hz
on lamp load, max.	10 Hz
Aggregate current of 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	
Cable length, shielded, max.	1000 m
Cable length unshielded, max.	600 m
Interrupts/diagnostics/status information	
Alarms	
Diagnostic alarm	No
Diagnostic messages	
Diagnostics	No
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
Galvanic isolation	
Galvanic isolation digital outputs	
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
Status	Jul 17, 2012