

SIEMENS

Product data sheet

6ES7322-1FF01-0AA0


SIMATIC S7-300, DIGITAL OUTPUT SM 322,
OPTICALLY ISOLATED, 8 DO, 120/230V AC,
1A, 1 X 20 PIN

Supply voltage	
Load voltage L1	
Rated value (AC)	230 V ; 120/230 V AC
permissible range, lower limit (AC)	93 V
permissible range, upper limit (AC)	264 V
Input current	
from load voltage L1 (without load), max.	2 mA
from backplane bus 5 V DC, max.	100 mA
Power losses	
Power loss, typ.	8.6 W
Digital outputs	
Number/binary outputs	8
Lamp load, max.	50 W
Output voltage	
for signal "1", min.	L1 (-1.5 V)

Output current	
for signal "1" rated value	2 A
for signal "1" permissible range for 0 to 40 °C, max.	2 A
for signal "1" minimum load current	10 mA
for signal "1" permissible surge current, max.	20 A ; max. 1 AC cycle
for signal "0" residual current, max.	2 mA
Switching frequency	
with resistive load, max.	10 Hz
with inductive load, max.	0.5 Hz
on lamp load, max.	1 Hz
Aggregate current of outputs (per group)	
horizontal installation	
up to 40 °C, max.	4 A
up to 60 °C, max.	2 A
vertical installation	
up to 40 °C, max.	2 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	Yes
Wire break	No
Short circuit	No
Fuse blown	Yes
Missing load voltage	Yes
Diagnostics indication LED	
Rated load voltage PWR (green)	Yes
Fuse OK FSG (green)	Yes
Galvanic isolation	
Galvanic isolation digital outputs	

between the channels, in groups of	4
between the channels and the backplane bus	Yes ; Optocoupler
Isolation	
Isolation checked with	1500 V AC
Connection method	
required front connector	20-pin
Dimensions	
Width	40 mm
Height	125 mm
Depth	120 mm
Weight	
Weight, approx.	275 g
Status	Jul 17, 2012