

SIEMENS

Product data sheet

6ES7322-5FF00-0AB0


SIMATIC S7-300, DIGITAL OUTPUT SM 322,
OPTICALLY ISOLATED, 8 DO, 120/230V AC,
2A,
WITH 1 POINT PER COMMON AND SELECTABLE
FAIL MODE,
1 X 40 PIN

Supply voltage	
Load voltage L1	
Rated value (AC)	230 V ; 120/230 V AC
permissible range, lower limit (AC)	79 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 (-8.5 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 ; with 2 half waves
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.	8 A
up to 60 °C, max.	4 A
vertical installation	
up to 40 °C, max.	4 A
Cable length	
Cable length, shielded, max.	1000 m
Cable length unshielded, max.	600 m
Interrupts/diagnostics/status information	
Alarms	
Diagnostic alarm	Yes ; Parameterizable
Diagnostic messages	
Diagnostics	Yes
Galvanic isolation	
Galvanic isolation digital outputs	
between the channels, in groups of	1
between the channels and the backplane bus	Yes ; Optocoupler
Isolation	
Isolation checked with	1500 V AC
Connection method	
required front connector	40-pin
Dimensions	

Width	40 mm
Height	125 mm
Depth	120 mm
Weight	
Weight, approx.	275 g
Status	Jul 17, 2012