SIEMENS

Data sheet 6ES7322-1FL00-0AA0

SIMATIC S7-300, DIGITAL OUTPUT SM 322, OPTICALLY ISOLATED, 32 DO, AC 120V/230V, 1A, DOUBLE WIDTH HOUSING, 2 X 20 PIN



Figure similar

Supply voltage	
Load voltage L1	
• Rated value (AC)	120 V; 120/230V AC
• permissible range, lower limit (AC)	79 V
• permissible range, upper limit (AC)	264 V
Input current	
from load voltage L1 (without load), max.	10 mA
from backplane bus 5 V DC, max.	190 mA
Power loss	
Power loss, typ.	25 W
Digital outputs	
Number of digital outputs	32
Switching capacity of the outputs	
• on lamp load, max.	50 W
Output voltage	
• for signal "1", min.	L1 (-0.8 V)
Output current	

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• for signal "1" rated value	1 A
• for signal "1" minimum load current	10 mA
• for signal "1" permissible surge current, max.	10 A; per group (for 2 AC cycles)
• 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
Total current of the outputs (per group)	
horizontal installation	
— up to 40 °C, max.	4 A
— up to 60 °C, max.	3 A
vertical installation	
— up to 40 °C, max.	4 A
Cable length	
• shielded, max.	1 000 m
• unshielded, max.	600 m

Interrupts/diagnostics/status information	
Diagnostic functions	Yes; Fuse blown or load voltage missing
Alarms	
• Diagnostic alarm	No
Diagnostics indication LED	
• Group error SF (red)	Yes
• Status indicator digital output (green)	Yes; per channel

Potential separation	
Potential separation digital outputs	
• between the channels	Yes
• between the channels, in groups of	8
• between the channels and backplane bus	Yes; Optocoupler

Isolation	
Isolation tested with	4 000 V DC

Connection method	
required front connector	20-pin

Dimensions	
Width	80 mm
Height	125 mm
Depth	117 mm

Weights	
Weight, approx.	500 g

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