SIEMENS

Data sheet

6ES7322-1FL00-0AA0



SIMATIC S7-300, Digital output SM 322, isolated, 32 DO, 120 V/230 V AC, 1 A, double-width, $2x\,20\text{-pole}$

Figure similar

Supply voltage		
Load voltage L1		
Rated value (AC)	120 V; 120/230 V AC	
• permissible range, lower limit (AC)	79 V	
 permissible range, upper limit (AC) 	264 V	
 permissible frequency range, lower limit 	47 Hz	
 permissible frequency range, upper limit 	63 Hz	
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	
Short-circuit protection	No	
Controlling a digital input	Yes	
Size of motor starters according to NEMA, max.	Size 4 according to NEMA	
Zero-crossing switch	Yes; Max. 60 V	
Switching capacity of the outputs		
on lamp load, max.	50 W	
Output voltage		
• for signal "1", min.	L1 (-0.8 V)	
Output current		
for signal "1" rated value	1 A	
 for signal "1" permissible range for 0 to 40 °C, min. 	10 mA	
 for signal "1" permissible range for 0 to 40 °C, max. 	1 A	
 for signal "1" permissible range for 40 to 60 °C, min. 	10 mA	
 for signal "1" permissible range for 40 to 60 °C, max. 	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	
Output delay with resistive load		
• "0" to "1", max.	1 AC cycle	
• "1" to "0", max.	1 AC cycle	
Parallel switching of two outputs		
• for uprating	No	
for redundant control of a load	Yes; only outputs of the same group	
Switching frequency		
with resistive load, max.	10 Hz	

Make the above the model on the	0.5 Hz	
with inductive load, max. with inductive load (see to ISO 00047.5.4. A 045), max.		
• with inductive load (acc. to IEC 60947-5-1, AC15), 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		
Alarms	No	
Diagnostics function	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	
<u> </u>	•	

last modified: 1/16/2021 🖸