SIEMENS

Data sheet

6ES7322-1HF01-0AA0



SIMATIC S7-300, Digital output SM 322, isolated, 8 DO (relay), 1x 20-pole, 24 V DC, 2 A or 230 V AC, 2A $\,$

Figure similar

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Supply voltage		
Load voltage L+		
 Rated value (DC) 	24 V	
Input current		
from supply voltage L+, max.	160 mA	
from backplane bus 5 V DC, max.	40 mA	
Power loss		
Power loss, typ.	3.2 W	
Digital outputs		
Number of digital outputs	8; Relays	
Short-circuit protection	No	
Controlling a digital input	Yes	
Switching capacity of the outputs		
 on lamp load, max. 	50 W	
 Low energy/fluorescent lamps with electronic control gear 	10x 58 W	
 Fluorescent tubes, conventionally compensated 	1x 58 W	
Fluorescent tubes, uncompensated	10x 58 W	
Output current		
for signal "1" rated value	2 A	
for signal "1" minimum load current	5 mA	
Parallel switching of two outputs		
for uprating	No	
for redundant control of a load	Yes	
Switching frequency		
with resistive load, max.	2 Hz	
 with inductive load, max. 	0.5 Hz	
 With inductive load (to IEC 60947-5-1, DC13/AC15), max. 	0.5 Hz	
on lamp load, max.	2 Hz	
mechanical, max.	10 Hz	
Relay outputs		
 Rated supply voltage of relay coil L+ (DC) 	24 V; 110 mA	
 Contact connection (internal) 	Yes; SIOV-CU4032 K275G	
Number of operating cycles, max.	300 000; 230 V AC: 100 000; 120 V AC: 200 000; 24 V DC: 300 000 (at 2 A)	
Switching capacity of contacts		
— with inductive load, max.	2 A; 2 A (230 V AC), 2 A (24 V DC)	
— with resistive load, max.	2 A	
Thermal continuous current, max.	3 A	
Cable length		
• shielded, max.	1 000 m	

• unshielded, max.	600 m
Interrupts/diagnostics/status information	
Alarms	No
Diagnostics function	No
Alarms	
Diagnostic alarm	No
Diagnoses	
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
 Status indicator digital output (green) 	Yes
Potential separation	
Potential separation digital outputs	
 between the channels 	Yes
 between the channels, in groups of 	2
 between the channels and backplane bus 	Yes; Optocoupler
Isolation	
Isolation tested with	1 500 V AC
connection method	
required front connector	20-pin
Dimensions	
Width	40 mm
Height	125 mm
Depth	120 mm
Weights	
Weight, approx.	190 g

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