



SIMATIC S7-300, DIGITAL OUTPUT SM 322, OPTICALLY ISOLATED, 8 DO (RELAY), 1 X 40 PIN, 24V DC, 120 - 230V AC, 5A WITH INTEGR. SNUBBER F. IND. LOADS

Supply voltage	
Load voltage L+	
• Rated value (DC)	24 V
• permissible range, lower limit (DC)	24 V
• permissible range, upper limit (DC)	120 V
Load voltage L1	
• Rated value (AC)	230 V
Input current	
from backplane bus 5 V DC, max.	100 mA
Power loss	
Power loss, typ.	3.5 W
Digital outputs	
Number of digital outputs	8; Relays
Switching capacity of the outputs	
• Lamp load, max.	1 500 W; 230 V AC

Output current	
• for signal "1" rated value	5 A
• for signal "1" minimum load current	10 mA
Switching frequency	
• with resistive load, max.	2 Hz
• with inductive load, max.	0.5 Hz
• on lamp load, max.	2 Hz
• mechanical, max.	10 Hz
Total current of the outputs (per group)	
horizontal installation	
— up to 60 °C, max.	5 A
vertical installation	
— up to 40 °C, max.	5 A
Relay outputs	
• Number of operating cycles, max.	100 000; 100000 (24 V DC, at 5 A), 100000 (230 V AC, at 5 A)
Switching capacity of contacts	
— with inductive load, max.	5 A; 5 A (230 V DC); 5 A (24 V AC)
— with resistive load, max.	5 A; 5 A (230 V DC); 5 A (24 V AC)
Cable length	
• Cable length, shielded, max.	1 000 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 tested with	1500 V AC
Connection method	
required front connector	40-pin
Dimensions	
Width	40 mm

Height	125 mm
Depth	120 mm

Weights

Weight, approx.	320 g
last modified:	31.07.2014