

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

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
Switching capacity of the outputs	
• on lamp load, max.	50 W
Output current	
• for signal "1" rated value	2 A
• for signal "1" minimum load current	5 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
<b>Relay outputs</b>	
• Rated supply voltage of relay coil L+ (DC)	24 V; 110 mA
• 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)
<b>Switching capacity of contacts</b>	
— with inductive load, max.	2 A; 2 A (230 V AC), 2 A (24 V DC)
— with resistive load, max.	2 A
<b>Cable length</b>	
• shielded, max.	1 000 m
• unshielded, max.	600 m
<b>Interrupts/diagnostics/status information</b>	
Diagnostics function	No
<b>Alarms</b>	
• Diagnostic alarm	No
<b>Diagnostic messages</b>	
• Wire-break	No
• Short-circuit	No
• Fuse blown	No
• missing load voltage	No
<b>Diagnostics indication LED</b>	
• Rated load voltage PWR (green)	No
• Fuse OK FSG (green)	No
• Status indicator digital output (green)	Yes
<b>Potential separation</b>	
<b>Potential separation digital outputs</b>	
• between the channels	Yes
• between the channels, in groups of	2
• between the channels and backplane bus	Yes; Optocoupler
<b>Isolation</b>	
Isolation tested with	1500 V AC
<b>Connection method</b>	
required front connector	20-pin
<b>Dimensions</b>	
Width	40 mm
Height	125 mm
Depth	120 mm

## Weights

Weight, approx.

190 g

**last modified:**

08/30/2019