## **SIEMENS**

## **Product data sheet**

6ES7322-1CF00-0AA0



SIMATIC S7-300, DIGITAL OUTPUT SM 322, OPTICALLY ISOLATED, 8 DO, DC 48-125V, 1.5A, 1 X 20 PIN

Supply voltage		
Load voltage L+		
Rated value (DC)	48 V ; 48 to 125 V DC	
permissible range, lower limit (DC)	40 V	
permissible range, upper limit (DC)	140 V	
Input current		
from load voltage L+ (without load), max.	2 mA	
from backplane bus 5 V DC, max.	100 mA	
Power losses		
Power loss, typ.	7.2 W	
Digital outputs		
Number of digital outputs	8	
Limitation of inductive shutdown voltage to	M (-1 V)	
Switching capacity of the outputs		
Lamp load, max.	15 W ; 15 W (48 V) or 40 W (125 V)	
Output voltage		
for signal "1", min.	L+ (-1.2 V)	
Output current		

for signal "1" rated value	1.5 A	
for signal "1" permissible range for 0 to 40 $^{\circ}\text{C},$ max.	1.5 A	
for signal "1" minimum load current	10 mA	
for signal "1" permissible surge current, max.	3 A ; for 10 ms	
for signal "0" residual current, max.	0.5 mA	
Switching frequency		
with resistive load, max.	25 Hz	
with inductive load, max.	0.5 Hz	
on lamp load, max.	10 Hz	
Aggregate current of outputs (per group)		
horizontal installation		
up to 40 °C, max.	6 A	
up to 50 °C, max.	4 A	
up to 60 °C, max.	3 A	
vertical installation		
up to 40 °C, max.	4 A	
Cable length		
Cable length, shielded, max.	1000 m	
Cable length unshielded, max.	600 m	
Interrupts/diagnostics/status information		
Interrupts/diagnostics/status information		
Interrupts/diagnostics/status information  Alarms		
	No	
Alarms	No	
Alarms Diagnostic alarm	No No	
Alarms Diagnostic alarm Diagnostic messages		
Alarms Diagnostic alarm Diagnostic messages Diagnostics	No	
Alarms Diagnostic alarm Diagnostic messages Diagnostics Wire break	No No	
Alarms Diagnostic alarm Diagnostic messages Diagnostics Wire break Short circuit	No No No	
Alarms Diagnostic alarm Diagnostic messages Diagnostics Wire break Short circuit Fuse blown	No No No No	
Alarms Diagnostic alarm Diagnostic messages Diagnostics Wire break Short circuit Fuse blown Missing load voltage	No No No No	
Alarms Diagnostic alarm Diagnostic messages Diagnostics Wire break Short circuit Fuse blown Missing load voltage Diagnostics indication LED	No No No No No No	
Alarms Diagnostic alarm Diagnostic messages Diagnostics Wire break Short circuit Fuse blown Missing load voltage Diagnostics indication LED Rated load voltage PWR (green)	No No No No No No No	
Alarms Diagnostic alarm Diagnostic messages Diagnostics Wire break Short circuit Fuse blown Missing load voltage Diagnostics indication LED Rated load voltage PWR (green) Fuse OK FSG (green)	No No No No No No No	
Alarms Diagnostic alarm Diagnostic messages Diagnostics Wire break Short circuit Fuse blown Missing load voltage Diagnostics indication LED Rated load voltage PWR (green) Fuse OK FSG (green) Galvanic isolation	No No No No No No No	
Alarms Diagnostic alarm Diagnostic messages Diagnostics Wire break Short circuit Fuse blown Missing load voltage Diagnostics indication LED Rated load voltage PWR (green) Fuse OK FSG (green) Galvanic isolation Galvanic isolation digital outputs	No No No No No No No No No	
Alarms Diagnostic alarm Diagnostic messages Diagnostics Wire break Short circuit Fuse blown Missing load voltage Diagnostics indication LED Rated load voltage PWR (green) Fuse OK FSG (green) Galvanic isolation Galvanic isolation digital outputs between the channels, in groups of	No No No No No No No No 4	
Alarms Diagnostic alarm Diagnostic messages Diagnostics Wire break Short circuit Fuse blown Missing load voltage Diagnostics indication LED Rated load voltage PWR (green) Fuse OK FSG (green) Galvanic isolation Galvanic isolation digital outputs between the channels, in groups of between the channels and the backplane bus	No No No No No No No No 4	

required front connector	20-pin	
Dimensions		
Width	40 mm	
Height	125 mm	
Depth	120 mm	
Weights		
Weight, approx.	250 g	
Status	Sep 2, 2013	