

SIEMENS

Product data sheet

6ES7322-1HF01-0AA0


SIMATIC S7-300, DIGITAL OUTPUT SM 322,
OPTICALLY ISOLATED, 8 DO (RELAY),
1 X 20 PIN, 24V DC, 2A OR 230V AC, 2A

Supply voltage	
Load voltage L+	
Rated value (DC)	24 V
Input current	
from load voltage L+ (without load), max.	110 mA ; Current consumption of relay
from load voltage L1 (without load), max.	110 mA
from backplane bus 5 V DC, max.	40 mA
Power losses	
Power loss, typ.	3.2 W
Digital outputs	
Number/binary outputs	8 ; Relay
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
Relay outputs	
Rated input voltage of relay coil L+ (DC)	24 V ; 110 mA
Number of operating cycles, max.	300000 ; 230 V AC: 100000; 120 V AC: 200000; 24 V DC: 300000 (at 2 A)
Switching capacity of contacts	
with inductive load, max.	2 A ; 2 A (230 V AC), 2 A (24 V DC)
Switching frequency/contacts/at ohmic load/maximum	2 A
Cable length	
Cable length, shielded, max.	1000 m
Cable length unshielded, max.	600 m
Interrupts/diagnostics/status information	
Alarms	
Diagnostic alarm	No
Diagnostic messages	
Diagnostics	No
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
Galvanic isolation	
Galvanic isolation digital outputs	
between the channels, in groups of	2
between the channels and the backplane bus	Yes ; Optocoupler
Isolation	
Isolation checked with	1500 V AC

Connection method	
required front connector	20-pin
Dimensions	
Width	40 mm
Height	125 mm
Depth	120 mm
Weight	
Weight, approx.	190 g
Status	Jul 17, 2012