

SIEMENS

Product data sheet

6ES7322-8BF00-0AB0


SIMATIC S7-300, DIGITAL OUTPUT SM 322,
OPTICALLY ISOLATED, 8 DO, 24V DC,
0.5 A (1 X 8 DO),
SHORT-CIRCUIT PROTECTION, DIAGNOSTICS,
1 X 20 PIN

Supply voltage	
Load voltage L+	
Rated value (DC)	24 V
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Input current	
from load voltage L+ (without load), max.	90 mA
from backplane bus 5 V DC, max.	70 mA
Power losses	
Power loss, typ.	5 W
Digital outputs	
Number/binary outputs	8
Limitation of inductive shutdown voltage to	L+ (-45 V)
Lamp load, max.	5 W
Load resistance range	

lower limit	48 Ω
upper limit	3 k Ω
Output voltage	
for signal "1", min.	L+ (-0.8 to -1.6 V)
Output current	
for signal "1" rated value	0.5 A
for signal "1" permissible range for 0 to 40 °C, max.	0.6 A
for signal "1" minimum load current	10 mA
for signal "0" residual current, max.	0.5 mA
Switching frequency	
with resistive load, max.	100 Hz
with inductive load, max.	2 Hz
on lamp load, max.	10 Hz
Aggregate current of outputs (per group)	
horizontal installation	
up to 40 °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	
Alarms	
Diagnostic alarm	Yes ; Parameterizable
Diagnostic messages	
Diagnostics	Yes
Wire break	Yes
Short circuit	Yes
Fuse blown	No
Missing load voltage	Yes
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	8
between the channels and the backplane bus	Yes ; Optocoupler
Isolation	
Isolation checked with	500 V DC
Connection method	
required front connector	20-pin
Dimensions	
Width	40 mm
Height	125 mm
Depth	120 mm
Weight	
Weight, approx.	210 g
Status	Jul 17, 2012