

SIEMENS

Product data sheet

6ES7322-5SD00-0AB0


SIMATIC S7, DIGITAL OUTPUT L SM 322,
OPTICALLY ISOLATED, 4 DO, 24V DC, 10MA,
1 X 20 PIN,
FOR SIGNALS FROM HAZARDOUS AREAS
CAPABLE OF DIAGNOST., PTB-TESTED

Supply voltage	
Load voltage L+	
Rated value (DC)	24 V
Input current	
from load voltage L+ (without load), max.	160 mA
from backplane bus 5 V DC, max.	70 mA
Power losses	
Power loss, typ.	3 W
Digital outputs	
Number/binary outputs	4
Functionality/short-circuit strength	Yes ; Electronic
Response threshold, typ.	Output current with short-circuit protection, min. 10 mA + 10 %
Load resistance range	
upper limit	390 Ω ; Two-wire connection
Output voltage	

Rated value (DC)	24 V
Output current	
for signal "1" permissible range for 0 to 60 °C, max.	10 mA ; +/-10 %
Switching frequency	
with resistive load, max.	100 Hz
Cable length	
Cable length unshielded, max.	200 m
Interrupts/diagnostics/status information	
Diagnostic messages	
Diagnostic functions	Yes
Diagnostic information readable	Yes
Short circuit	Yes
Group error	Yes
Diagnostics indication LED	
Short circuit per channel (red)	Yes
Short-circuit group error (red)	Yes
Ex(i) characteristics	
Module for Ex(i) protection	Yes
Max. values of output circuits (per channel)	
Co (permissible external capacity), max.	90 nF
Io (short-circuit current), max.	70 mA
Lo (permissible external inductivity), max.	6.7 mH
Po (power of load), max.	440 mW
Uo (output no-load voltage), max.	25.2 V
Galvanic isolation	
Galvanic isolation digital outputs	
Galvanic isolation digital outputs	Yes
between the channels, in groups of	1
Standards, approvals, certificates	
Use in hazardous areas	
Type of protection acc. to EN 50020 (CENELEC)	[EEx ib] IIC
Type of protection acc. to FM	Class I, Division 2, Group A, B, C, D T4
Test number PTB	Ex-96.D.2093X

Ambient conditions	
Operating temperature	
max.	60 °C
Connection method	
required front connector	20-pin
Weight	
Weight, approx.	230 g
Status	Jul 17, 2012