SIEMENS

Data sheet

6ES7322-5SD00-0AB0



SIMATIC S7, digital output SM 322, isolated, 4 DO, 24 V DC, 10 mA, 1 x 20-pole, for signals from the hazardous area, diagnostics-capable, PTB tested

Figure similar

Supply voltage	
Load voltage L+	
 Rated value (DC) 	24 V
 Reverse polarity protection 	Yes
Input current	
from load voltage L+ (without load), max.	160 mA
from backplane bus 5 V DC, max.	85 mA
Power loss	
Power loss, typ.	3 W
Digital outputs	
Number of digital outputs	4
Short-circuit protection	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	
• unshielded, max.	200 m
Interrupts/diagnostics/status information	
Diagnostics function	Yes
Diagnoses	
 Diagnostic information readable 	Yes
Short-circuit	Yes
Diagnostics indication LED	
 Group error SF (red) 	Yes
 Status indicator digital output (green) 	Yes
Channel fault indicator F (red)	Yes
Ex(i) characteristics	
Module for Ex(i) protection	Yes
maximum values for connecting terminals for gas group IIC	
 Uo (no-load voltage), max. 	25.2 V

 lo (short-circuit current), max. 	70 mA	
 Po (power output), max. 	440 mW	
 Co (permissible external capacity), max. 	90 nF	
 Lo (permissible external inductivity), max. 	6.7 mH	
Potential separation		
Potential separation digital outputs		
• between the channels	Yes; 60 V DC/30 V AC when used in the hazardous area; 400 V DC/250 V AC when used in NON-hazardous area	
 between the channels, in groups of 	1	
 between the channels and backplane bus 	Yes; 60 V DC/30 V AC when used in the hazardous area; 400 V DC/250 V AC when used in NON-hazardous area	
Between the channels and load voltage L+	Yes; 60 V DC/30 V AC when used in the hazardous area; 400 V DC/250 V AC when used in NON-hazardous area	
Standards, approvals, certificates		
Use in hazardous areas		
 Test number PTB 	Ex-96.D.2093X	
Ambient conditions		
Ambient temperature during operation		
• max.	60 °C	
Connection method		
required front connector	20-pin	
Dimensions		
Width	40 mm	
Height	125 mm	
Depth	120 mm	
Weights		
Weight, approx.	230 g	

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last modified: