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Data sheet 6ES7322-5RD00-0AB0

SIMATIC S7, DIGITAOUTPUTL SM 322, OPTICALLY ISOLATED, 4 DO, 15V / 20MA, 1 X 20 PIN, FOR SIGNALS FROM HAZARDOUSAREAS CAPABLE OF DIAGNOST.,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. 20.5 mA + 10 %
Load resistance range	
• upper limit	200 Ω; Two-wire connection
Output voltage	
• Rated value (DC)	15 V

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Output current	
• for signal "1" permissible range for 0 to 60 °C, max.	20 mA; +/-10 %
Switching frequency	
• with resistive load, max.	100 Hz
Cable length	
• unshielded, max.	200 m
Interrupts/diagnostics/status information	
Diagnostic functions	Yes
Diagnostic messages	
• 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 of output circuits (per channel)	
• Co (permissible external capacity), max.	500 nF
• Io (short-circuit current), max.	85 mA
• Lo (permissible external inductivity), max.	5 mH
• Po (power of load), max.	335 mW
• Uo (output no-load voltage), max.	15.75 V
Potential separation	
Potential separation digital outputs	
• Potential separation 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	AIS CL.1, DIV 1, GP A, B, C, D; CL.I, DIV 2, GP A, B, C, D T4
• Test number PTB	Ex-96.D.2102X
Ambient conditions	
Ambient temperature during operation	
• max.	60 °C
Connection method	
required front connector	20-pin
Weights	

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Weight, approx.	230 g

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