SIEMENS

Data sheet 6ES7332-5RD00-0AB0



SIMATIC S7, ANALOG OUTPUT SM 332, OPTICALLY ISOLATED, 4 AO, 0/4 UP TO 20 MA, 20 PIN, FOR SIGNALS FROM HAZARDOUSAREAS CAPABLE OF DIANOST., PTB-TESTED

Supply voltage	
Load voltage L+	
• Rated value (DC)	24 V
Input current	
from load voltage L+ (without load), max.	180 mA
from backplane bus 5 V DC, max.	80 mA
Power losses	
Power loss, typ.	4 W
Analog outputs	
Number of analog outputs	4
Voltage output, short-circuit protection	Yes
Voltage output, short-circuit current, max.	70 mA
Current output, no-load voltage, max.	14 V
Output ranges, current	
• 0 to 20 mA	Yes
• 4 mA to 20 mA	Yes
Connection of actuators	
• for current output two-wire connection	Yes
Load impedance (in rated range of output)	
• with current outputs, max.	500 Ω
Cable length	
• shielded, max.	200 m
Errors/accuracies	

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Operational limit in overall temperature range	
• Current, relative to output area, (+/-)	0.55 %
Basic error limit (operational limit at 25 °C)	
• Current, relative to output area, (+/-)	0.2 %
Interrupts/diagnostics/status information	
Diagnostic messages	
• Diagnostic functions	Yes
• Diagnostic information readable	Yes
• Overrange	Yes
• Wire break in actuator cable	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
Potential separation	
Galvanic isolation analog outputs	
• Potential separation analog outputs	Yes
Permissible potential difference	
between the outputs (UCM)	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 outputs and MANA (UCM)	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	
• 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.2026X
Ambient conditions	
Ambient temperature in operation	
• max.	60 °C
Connection method	
required front connector	20-pin
Weights	
Weight, approx.	280 g

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