

SIMATIC S7-200, ANALOG OUTPUT EM 232, FOR S7-22X CPU ONLY, 2 AQ, +/- 10V DC, 12 BIT CONVERTER



Input current

from backplane bus 5 V DC, max.	20 mA
from sensor current supply or external current supply (24 V DC), max.	70 mA

Power loss

Power loss, typ.	2 W
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Analog outputs

Number of analog outputs	2
Output ranges, voltage	
• -10 V to +10 V	Yes
Output ranges, current	
• 4 mA to 20 mA	Yes
Load impedance (in rated range of output)	
• with voltage outputs, min.	5 k Ω
• with current outputs, max.	0.5 k Ω

Analog value generation

Integration and conversion time/resolution per channel	
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• Resolution with overrange (bit including sign), max.	12 bit; V/12 bits, I/11 bits
Settling time	
• for voltage output	100 µs
• for current output	2 ms
Displayable conversion value range	
• bipolar signals	-32 000 to +32 000
• unipolar signals	0 to 32000
Errors/accuracies	
Operational error limit in overall temperature range	
• Voltage, relative to output area, (+/-)	2 %
• Current, relative to output area, (+/-)	2 %
Basic error limit (operational limit at 25 °C)	
• Voltage, relative to output area, (+/-)	0.5 %
• Current, relative to output area, (+/-)	0.5 %
Potential separation	
Potential separation analog outputs	
• Potential separation analog outputs	No
Connection method	
Plug-in I/O terminals	No
Dimensions	
Width	46 mm
Height	80 mm
Depth	62 mm
Weights	
Weight, approx.	148 g
last modified:	17.09.2015