



SIMATIC S7-200 SMART, Analog input SM AI08, 8 AI, 0...10V, 0...5V, +/-5 V, +/-2.5 V or 0/4-20 mA; 11 bit + sign (12 bit ADC)

General information	
Product type designation	SM AI08, AI 8x12 bit
CiR - Configuration in RUN	
Reparameterization possible in RUN	No
Supply voltage	
Type of supply voltage	DC
Rated value (DC)	24 V; -15 / +20 %
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Input current	
Current consumption, typ.	60 mA
Current consumption, max.	80 mA
from backplane bus 5 V DC, typ.	61 mA
from backplane bus 5 V DC, max.	80 mA
Power loss	
Power loss, typ.	2 W
Analog inputs	
Number of analog inputs	8
Input ranges	
<ul style="list-style-type: none"> • Voltage • Current • Thermocouple • Resistance thermometer • Resistance 	<ul style="list-style-type: none"> Yes Yes No No No
Analog value generation for the inputs	
Integration and conversion time/resolution per channel	
<ul style="list-style-type: none"> • Resolution with overrange (bit including sign), max. 	12 bit
Dimensions	
Width	45 mm
Height	100 mm
Depth	81 mm
Weights	
Weight, approx.	186 g

last modified: 8/23/2023 