## **SIEMENS**

## **Data sheet**

## 6ES7288-3AM06-0AA0

SIMATIC S7-200 SMART, analog I/O SM AM06, 4 Al/2 AO, 0..10 V, 0..5 V, 0/4..20mA, +/-5 V, +/-2.5 V, 12 bit resolution or 4...20 mA, +/-10 V 11 bit resolution

General information	0/420mA, +/-5 V, +/-2.5 V, 12 bit resolution or 420 mA, +/-10 V 11 bit resolution	
Product type designation	SM AM06, AI 4x12 bit, AQ 2x11 bit	
CiR - Configuration in RUN	OHIT WHOO, THE TAIL DIE, THE EATT DIE	
Reparameterization possible in RUN	No	
Supply voltage	110	
	DC	
Type of supply voltage		
Rated value (DC)	24 V; -15 / +20 % 20.4 V	
permissible range, lower limit (DC)		
permissible range, upper limit (DC)	28.8 V	
Input current	60 mA	
Current consumption, typ.	60 mA	
from backplane bus 5 V DC, typ.	80 mA	
Power loss	- AW	
Power loss, typ.	2 W	
Analog inputs		
Number of analog inputs	4	
Input ranges		
<ul><li>Voltage</li></ul>	Yes; ±10V, ±5V, ±2.5V	
Current	Yes; 0 to 20 mA	
Thermocouple	No	
Resistance thermometer	No	
Resistance	No	
Input ranges (rated values), voltages		
• -10 V to +10 V	Yes	
<ul><li>— Input resistance (-10 V to +10 V)</li></ul>	9 ΜΩ	
• -2.5 V to +2.5 V	Yes	
<ul><li>Input resistance (-2.5 V to +2.5 V)</li></ul>	9 ΜΩ	
• -5 V to +5 V	Yes	
— Input resistance (-5 V to +5 V)	9 ΜΩ	
Input ranges (rated values), currents		
• 0 to 20 mA	Yes	
<ul><li>— Input resistance (0 to 20 mA)</li></ul>	250 Ω	
Analog outputs		
Number of analog outputs	2; Current or voltage	
Output ranges, voltage		
• -10 V to +10 V	Yes	
Output ranges, current		
• 0 to 20 mA	Yes	
Load impedance (in rated range of output)		
with voltage outputs, min.	1 kΩ	
with current outputs, max.	500 Ω	
Analog value generation for the inputs		
Integration and conversion time/resolution per channel		
Resolution with overrange (bit including sign), max.	12 bit; voltage mode: 11 bit + sign bit, current mode: 11 bit	
Interference voltage suppression for interference frequency f1 in Hz	10 / 50 / 60 / 400 Hz	
Smoothing of measured values		
parameterizable	Yes; In 4 stages: 1x, 4x, 16x, 32x cycle time	
• Step: None	Yes; 1x	
• Step: low	Yes; 4x	
Step. low		

Step: High	Yes; 32x	
Analog value generation for the outputs		
Integration and conversion time/resolution per channel		
<ul> <li>Resolution with overrange (bit including sign), max.</li> </ul>	11 bit; voltage mode: 11 bit + sign bit, current mode: 11 bit	
<ul> <li>Resolution in isochronous mode (including overrange)</li> </ul>	voltage mode: 10 bit + sign bit, current mode: 10 bit	
Interrupts/diagnostics/status information		
Diagnostics function	Yes	
Diagnoses		
<ul> <li>Monitoring the supply voltage</li> </ul>	Yes	
Wire-break	Yes	
Short-circuit	Yes	
Diagnostics indication LED		
<ul> <li>for status of the inputs</li> </ul>	Yes	
for status of the outputs	Yes	
Degree and class of protection		
IP degree of protection	IP20	
Standards, approvals, certificates		
CE mark	Yes	
Dimensions		
Width	45 mm	
Height	100 mm	
Depth	81 mm	
Weights		
Weight, approx.	173.4 g	

last modified:

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