

SIMATIC S7-200 SMART, Analog output SM AQ02, 2 AO, +/-10 V, 11 bit resolution, or 4-20 mA, 10 bit resolution



CiR – Configuration in RUN

Reparameterization possible in RUN	No
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Supply voltage

Rated value (DC)	
• 24 V DC	Yes; -15 / +20 %
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V

Input current

Current consumption, typ.	50 mA
from backplane bus 5 V DC, typ.	80 mA

Power loss

Power loss, typ.	1.5 W
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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 outputs	
Integration and conversion time/resolution per channel	
• Resolution in isochronous mode (including overrange)	voltage mode: 10 bit + sign bit, current mode: 10 bit
Interrupts/diagnostics/status information	
Diagnostic functions	Yes
Diagnostic messages	
• Monitoring the supply voltage	Yes
• Wire-break	Yes
• Short-circuit	Yes
Diagnostics indication LED	
• for status of the outputs	Yes
Degree and class of protection	
Degree of protection acc. to EN 60529	
• IP20	Yes
Standards, approvals, certificates	
CE mark	Yes
Dimensions	
Width	45 mm
Height	100 mm
Depth	81 mm
Weights	
Weight, approx.	147.1 g
last modified:	07/17/2018 