

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 |
|------------------------------------|----|

### 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 |
|------------------|-------|

### 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   |
| <b>Load impedance (in rated range of output)</b>              |   |
| • with voltage outputs, min.                                  | 1 kΩ  |
| • with current outputs, max.                                  | 500 Ω   |
| <b>Analog value generation for the outputs</b>                |   |
| <b>Integration and conversion time/resolution per channel</b> |   |
| • Resolution in isochronous mode (including overrange)        | voltage mode: 10 bit + sign bit, current mode: 10 bit |
| <b>Interrupts/diagnostics/status information</b>              |   |
| Diagnostic functions  | Yes   |
| <b>Diagnostic messages</b>                                    |   |
| • Monitoring the supply voltage                               | Yes   |
| • Wire-break  | Yes   |
| • Short-circuit   | Yes   |
| <b>Diagnostics indication LED</b>                             |   |
| • for status of the outputs                                   | Yes   |
| <b>Degree and class of protection</b>                         |   |
| <b>Degree of protection acc. to EN 60529</b>                  |   |
| • IP20  | Yes   |
| <b>Standards, approvals, certificates</b>                     |   |
| CE mark   | Yes   |
| <b>Dimensions</b>   |   |
| Width   | 45 mm   |
| Height  | 100 mm  |
| Depth   | 81 mm   |
| <b>Weights</b>  |   |
| Weight, approx.   | 147.1 g   |
| <b>last modified:</b>   | 07/17/2018  |