

SIMATIC S7-200, Analog output EM 232, only for S7-22X CPU, 4 AI, +/-10 V DC, 0..20mA 12/11-bit converter



Figure similar

| 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 |
| Analog outputs | |
| Number of analog outputs | 4 |
| 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 kΩ |
| • with current outputs, max. | 0.5 kΩ |
| Analog value generation for the outputs | |

| | |
|---|----------------------------|
| Integration and conversion time/resolution per channel | |
| • Resolution with overrange (bit including sign), max. | 12 bit; V/12 bit, I/11 bit |
| 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 32 000 |
| Errors/accuracies | |
| Operational error limit in overall temperature range | |
| • Voltage, relative to output range, (+/-) | 2 % |
| • Current, relative to output range, (+/-) | 2 % |
| Basic error limit (operational limit at 25 °C) | |
| • Voltage, relative to output range, (+/-) | 0.5 % |
| • Current, relative to output range, (+/-) | 0.5 % |
| Potential separation | |
| Potential separation analog outputs | |
| • Potential separation analog outputs | No |
| Connection method | |
| Plug-in I/O terminals | No |
| Dimensions | |
| Width | 71.2 mm |
| Height | 80 mm |
| Depth | 62 mm |
| Weights | |
| Weight, approx. | 190 g |
| last modified: | 04/19/2018 |