SIEMENS

## Data sheet 6ES7135-4GB01-0AB0

SIMATIC DP, Electronics module for ET 200S, 2 AO I 15 mm width, +/-20mA; 13 bit+sign, 4..20mA; 13 bit Cycle time less than 1 ms with SF LED (group fault)




| | |
|---|---|
| **Supply voltage** | |
| Load voltage L+ | |
| • Rated value (DC) | 24 V; From power module |
| • Reverse polarity protection | Yes |
| **Input current** | |
| from load voltage L+ (without load), max. | 150 mA |
| from backplane bus 3.3 V DC, max. | 10 mA |
| **Power loss** | |
| Power loss, max. | 2 W |
| **Address area** | |
| Address space per module | |
| • Address space per module, max. | 4 byte |
| **Analog outputs** | |
| Number of analog outputs | 2 |
| Current output, no-load voltage, max. | 18 V |
| Cycle time (all channels) max. | 1.5 ms |
| Output ranges, current | |


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| | |
|---|---|
| • -20 mA to +20 mA | Yes |
| • 4 mA to 20 mA | Yes |
| Connection of actuators | |
| • for current output two-wire connection | Yes |
| • for current output four-wire connection | No |
| Load impedance (in rated range of output) | |
| • with current outputs, max. | 500 Ω |
| • with current outputs, inductive load, max. | 1 mH |
| Destruction limits against externally applied voltages and currents | |
| • Voltages at the outputs towards MANA | 15 V; max. 15 V continuous; 75 V for max. 1 s (mark to space ratio 1:20) |
| • Current, max. | 50 mA; DC |
| Cable length | |
| • shielded, max. | 200 m |
| **Analog value generation for the outputs** | |
| Integration and conversion time/resolution per channel | |
| • Resolution with overrange (bit including sign), max. | 14 bit; 4 to 20 mA: 13 bit, ±20 mA: 14 bit |
| Settling time | |
| • for resistive load | 0.1 ms |
| • for capacitive load | 0.5 ms |
| • for inductive load | 0.5 ms |
| **Errors/accuracies** | |
| Operational error limit in overall temperature range | |
| • Current, relative to output range, (+/-) | 0.5 % |
| Basic error limit (operational limit at 25 °C) | |
| • Current, relative to output range, (+/-) | 0.3 % |
| **Interrupts/diagnostics/status information** | |
| Substitute values connectable | Yes; 0 to 65535 (range of values must be within the rated range) |
| Diagnostic messages | |
| • Diagnostic information readable | Yes |
| • Wire-break | Yes |
| • Group error | Yes |
| Diagnostics indication LED | |
| • Group error SF (red) | Yes |
| **Parameter** | |
| Remark | 7 byte |
| Diagnostics wire break | Disable / enable |
| Output type/range | deactivated / ±20 mA / 4 to 20 mA |
| Group diagnostics | Disable / enable |


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| | |
|---|---|
| Response to CPU/master STOP | Output current and de-energized/substitute a value/keep last value |

| Potential separation | |
|---|---|
| Potential separation analog outputs | |
| • between the channels | No |
| • between the channels and backplane bus | Yes |
| • Between the channels and load voltage L+ | Yes |

| Isolation | |
|---|---|
| Isolation tested with | 500 V DC |

| Dimensions | |
|---|---|
| Width | 15 mm |
| Height | 81 mm |
| Depth | 52 mm |

| Weights | |
|---|---|
| Weight, approx. | 40 g |

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