SIEMENS

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



*** Spare part *** 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)

| | |
|---|---|
| **General information** | |
| Product function | |
| ● Isochronous mode | No |
| **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 |
| **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 | |
| ● -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** | |


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| | |
|---|---|
| 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) |
| Diagnoses | |
| ● Diagnostic information readable | Yes |
| ● Wire break | Yes |
| ● Group error | Yes |
| Diagnostics indication LED | |
| ● Group error SF (red) | Yes |
| **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 |

**Classifications**

| | Version | Classification |
|---|---|---|
| eClass | 16 | 27-24-26-01 |
| eClass | 14 | 27-24-26-01 |
| eClass | 12 | 27-24-26-01 |
| eClass | 9.1 | 27-24-26-01 |
| eClass | 9 | 27-24-26-01 |
| eClass | 8 | 27-24-26-01 |
| eClass | 7.1 | 27-24-26-01 |
| eClass | 6 | 27-24-26-01 |
| ETIM | 10 | EC001596 |
| ETIM | 9 | EC001596 |
| ETIM | 8 | EC001596 |
| ETIM | 7 | EC001596 |
| IDEA | 4 | 3562 |
| UNSPSC | 15 | 32-15-17-05 |

**Approvals / Certificates**

**General Product Approval**

Miscellaneous | Manufacturer Declaration

**General Product Approval** | **EMV** | **For use in hazardous locations**

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| For use in hazardous locations | | | | | |
|---|---|---|---|---|---|
| FM | ATEX | UL | ATEX | IECEx | Miscellaneous |

| For use in hazardous locations | Maritime application | | | | |
|---|---|---|---|---|---|
| CCC-Ex | ABS | BUREAU VERITAS | DNV | LRS | NK / Nippon Kaiji Kyokai |

| Maritime application | | |
|---|---|---|
| PRS | RINA | CCS (China Classification Society) |

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