SIEMENS

## Data sheet 6ES7134-4JD00-0AB0



*** Spare part *** SIMATIC DP, Electronics module for ET 200S, 4 AI TC, +/-80 mV; 15 mm width, 15 bit+sign 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. | 30 mA |
| from backplane bus 3.3 V DC, max. | 10 mA |
| **Power loss** | |
| Power loss, typ. | 0.6 W |
| **Address area** | |
| Address space per module | |
| ● Address space per module, max. | 8 byte |
| **Analog inputs** | |
| Number of analog inputs | 4 |
| permissible input voltage for voltage input (destruction limit), max. | 10 V; Permanent |
| Cycle time (all channels) max. | Number of active channels per module x basic conversion time |
| Technical unit for temperature measurement adjustable | No; Celsius |
| Input ranges (rated values), voltages | |
| ● -80 mV to +80 mV | Yes |
| — Input resistance (-80 mV to +80 mV) | 1 MΩ |
| Input ranges (rated values), thermocouples | |
| ● Type B | Yes |
| — Input resistance (Type B) | 1 MΩ |
| ● Type E | Yes |
| — Input resistance (Type E) | 1 MΩ |
| ● Type J | Yes |
| — Input resistance (type J) | 1 MΩ |
| ● Type K | Yes |
| — Input resistance (Type K) | 1 MΩ |
| ● Type L | Yes |
| — Input resistance (Type L) | 1 MΩ |
| ● Type N | Yes |
| — Input resistance (Type N) | 1 MΩ |
| ● Type R | Yes |
| — Input resistance (Type R) | 1 MΩ |


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| | |
|---|---|
| ● Type S | Yes |
| — Input resistance (Type S) | 1 MΩ |
| ● Type T | Yes |
| — Input resistance (Type T) | 1 MΩ |
| Thermocouple (TC) | |
| Temperature compensation | |
| — internal temperature compensation | Not possible |
| — external temperature compensation with compensations socket | Yes; possible, one external compensating box per channel |
| Characteristic linearization | |
| ● Parameterizable | Yes; Type B, E, J, K, L, N, R, S, T to IEC 584 |
| Cable length | |
| ● shielded, max. | 50 m |
| **Analog value generation for the inputs** | |
| Measurement principle | integrating |
| Integration and conversion time/resolution per channel | |
| ● Resolution with overrange (bit including sign), max. | 16 bit; 15 bit + sign |
| ● Integration time, parameterizable | Yes |
| ● Integration time (ms) | 16,7 / 20 ms |
| ● Interference voltage suppression for interference frequency f1 in Hz | 50 / 60 Hz |
| ● Conversion time (per channel) | 65 ms; 55 / 65 ms (additional 20 ms on activated wire-break test) |
| Smoothing of measured values | |
| ● parameterizable | Yes; In four stages by means of digital filtering |
| ● Step: None | Yes; 1x cycle time |
| ● Step: low | Yes; 4x cycle time |
| ● Step: Medium | Yes; 32x cycle time |
| ● Step: High | Yes; 64x cycle time |
| **Encoder** | |
| Connection of signal encoders | |
| ● for voltage measurement | Yes |
| **Errors/accuracies** | |
| Operational error limit in overall temperature range | |
| ● Voltage, relative to input range, (+/-) | 0.6 % |
| Basic error limit (operational limit at 25 °C) | |
| ● Voltage, relative to input range, (+/-) | 0.4 % |
| **Interrupts/diagnostics/status information** | |
| Diagnoses | |
| ● Diagnostic information readable | Yes |
| ● Wire break | Yes; A break in the wire is only detected for thermocouples |
| ● Group error | Yes |
| ● Overflow/Underflow | Yes |
| Diagnostics indication LED | |
| ● Group error SF (red) | Yes |
| **Potential separation** | |
| Potential separation analog inputs | |
| ● 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 |
|---|---|---|


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

Manufacturer Declaration

Miscellaneous

Metrological Approval

### General Product Approval

China RoHS

Manufacturer Declaration

### EMV

### For use in hazardous locations

FM

Miscellaneous

### For use in hazardous locations

CCC-Ex

### Maritime application

### Maritime application

NK / Nippon Kaiji Kyokai

CCS (China Classification Society)

KR (Korean Register of Shipping)

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