SIEMENS

## Data sheet 6ES7134-4FB52-0AB0



Figure similar

*** Spare part *** SIMATIC DP, Electronics module ET 200S: 2 AI High Speed U, 15 bit, 15 mm width, Cycle time of module: 0.1 ms, with SF LED (group fault)

| | |
|---|---|
| **General information** | |
| Product function | |
| ● Isochronous mode | Yes |
| **Supply voltage** | |
| Load voltage L+ | |
| ● Rated value (DC) | 24 V |
| ● Reverse polarity protection | Yes |
| **Input current** | |
| from load voltage L+ (without load), max. | 130 mA |
| from backplane bus 3.3 V DC, max. | 10 mA |
| **Power loss** | |
| Power loss, typ. | 2 W |
| **Address area** | |
| Address space per module | |
| ● Address space per module, max. | 4 byte |
| **Analog inputs** | |
| Number of analog inputs | 2 |
| permissible input voltage for voltage input (destruction limit), max. | 35 V; Permanent |
| Cycle time (all channels) max. | 250 µs |
| Input ranges (rated values), voltages | |
| ● 1 V to 5 V | Yes |
| — Input resistance (1 V to 5 V) | 120 kΩ |
| ● -10 V to +10 V | Yes |
| — Input resistance (-10 V to +10 V) | 120 kΩ |
| ● -2.5 V to +2.5 V | Yes |
| — Input resistance (-2.5 V to +2.5 V) | 120 kΩ |
| ● -5 V to +5 V | Yes |
| — Input resistance (-5 V to +5 V) | 120 kΩ |
| Cable length | |
| ● shielded, max. | 200 m |
| **Analog value generation for the inputs** | |
| Integration and conversion time/resolution per channel | |
| ● Resolution with overrange (bit including sign), max. | 16 bit; 15 bit: 1 to 5 V; ±2.5 V; 16 bit: ±10 V; ±5 V |
| ● Conversion time (per channel) | 15 µs |
| Smoothing of measured values | |
| ● parameterizable | Yes |
| ● Step: None | Yes; 1x cycle time |


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| | |
|---|---|
| ● Step: low | Yes; 4x cycle time |
| ● Step: Medium | Yes; 16x cycle time |
| ● Step: High | Yes; 32x 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, (+/-) | 0.3 % |
| Basic error limit (operational limit at 25 °C) | |
| ● Voltage, relative to input range, (+/-) | 0.2 % |
| **Interrupts/diagnostics/status information** | |
| Alarms | |
| ● Hardware interrupt | Yes |
| Diagnoses | |
| ● Diagnostic information readable | Yes |
| ● Wire break | Yes; at 1 to 5 V |
| ● 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 |
|---|---|---|
| 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**


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| | | | | | |
|---|---|---|---|---|---|
| CE EG-Konf. | UKCA | Miscellaneous | Manufacturer Declaration | UL | Metrological Approval |

| General Product Approval | | | | | EMV |
|---|---|---|---|---|---|
| RCM | EAC | CE EG-Konf. | UKCA | China RoHS | RCM |

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

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

| Maritime application | | | |
|---|---|---|---|
| PRS | RINA | CCS (China Classification Society) | KR (Korean Register of Shipping) |

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