

Data sheet

6ES7134-4FB01-0AB0



Figure similar

*** Spare part *** SIMATIC DP, Electronics module for ET 200S, 2 AI Standard U 15 mm width, +/-10V; 13 bit+sign +/-5 V; 12 bit+sign, 1..5 V; 12-bit Cycle time 65 ms/channel 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.	4 byte
Analog inputs	
Number of analog inputs	2
permissible input voltage for voltage input (destruction limit), max.	35 V; 35 V continuous; 75 V for max. 1 ms (mark to space ratio 1:20)
Cycle time (all channels) max.	Number of active channels per module x basic conversion time
Input ranges (rated values), voltages	
• 1 V to 5 V	Yes
• -10 V to +10 V	Yes
• -5 V to +5 V	Yes
Cable length	
• shielded, max.	200 m
Analog value generation for the inputs	
Measurement principle	integrating
Integration and conversion time/resolution per channel	
• Resolution with overrange (bit including sign), max.	14 bit; ±10 V: 13 bit + sign, ±5 V: 13 bit + sign; 1 to 5 V: 13 bit
• 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
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

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

- Wire-break Yes; Measuring range 1 to 5 V only
- Group error Yes
- Overflow/underflow Yes

Diagnostics indication LED

- Group error SF (red) Yes

Parameter

Remark	4 byte
Diagnostics wire break	Disable / enable (only in measuring range 1 to 5 V)
Group diagnostics	Disable / enable
Overflow/underflow	Disable / enable

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	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](#)

[China RoHS](#)



General Product Approval	EMV	For use in hazardous locations			
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[Metrological Approval](#)



[FM](#)



For use in hazardous locations					Maritime application
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[Miscellaneous](#)

[CCC-Ex](#)



Maritime application					
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[NK / Nippon Kaiji Kyokai](#)



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[CCS \(China Classification Society\)](#)

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