

# SIEMENS

## Product data sheet

**6ES7134-4GD00-0AB0**


SIMATIC DP, ELECTRONIC MODULE ET200S,  
4AI STANDARD I-2-WIRE, 4 - 20MA;  
13BIT, 15MM WIDTH,  
FOR 2-WIRE TRANSDUCER CYCLE TIME 40  
MS/MODULE WITH LED SF (GROUP FAULT)

<b>Supply voltage</b>	
Load voltage L+	
Rated value (DC)	24 V ; From power module
Reverse polarity protection	Yes
<b>Input current</b>	
from load voltage L+ (without load), max.	125 mA
from backplane bus 3.3 V DC, max.	10 mA
<b>Output voltage</b>	
Power supply to the transmitters	
present	Yes
short-circuit proof	Yes ; approx. 200 mA for module
<b>Power losses</b>	
Power loss, typ.	0.6 W
<b>Address area</b>	
Address space per module	

Address space per module, max.	8 byte
<b>Analog inputs</b>	
Number of analog inputs	4
Cable length, shielded, max.	200 m
Cycle time (all channels) max.	40 ms ; 33 to 40 ms
permissible input current for current input (destruction limit), max.	30 mA ; limited electronically
<b>Input ranges</b>	
Voltage	No
Current	Yes
Thermocouple	No
Resistance thermometer	No
Resistance	No
<b>Input ranges (rated values), currents</b>	
4 to 20 mA	Yes ; on 25 ohms
<b>Analog value creation</b>	
Measurement principle	integrating
<b>Integrations and conversion time/ resolution per channel</b>	
Resolution with overrange (bit including sign), max.	13 bit ; 4 to 20 mA: 13 bits
Integration time, parameterizable	Yes
Integration time, ms	16.67/20 ms
Interference voltage suppression for interference frequency f1 in Hz	60 / 50 Hz
<b>Smoothing of measured values</b>	
parameterizable	Yes ; in 4 stages
Step: None	Yes ; 1 x cycle time
Step: Low	Yes ; 4 x cycle time
Step: Medium	Yes ; 16 x cycle time
Step: High	Yes ; 32 x cycle time
<b>Encoder</b>	
<b>Connection of signal encoders</b>	
Burden of 2-wire transmitter, max.	750 Ω
<b>Errors/accuracies</b>	

Linearity error (relative to input area)	+/- 0,01 %
Temperature error (relative to input area)	+/- 0,003 %/K
Crosstalk between the inputs, min.	-50 dB
Repeat accuracy in settled status at 25 °C (relative to input area)	+/- 0,05 %
<b>Operational limit in overall temperature range</b>	
Current, relative to input area	+/- 0,4 %
<b>Basic error limit (operational limit at 25 °C)</b>	
Current, relative to input area	+/- 0,3 %
<b>Interference voltage suppression for <math>f = n \times (f_l \pm 1\%)</math>, <math>f_l</math> = interference frequency</b>	
Series mode interference (peak value of interference < rated value of input range), min.	70 dB
<b>Interrupts/diagnostics/status information</b>	
<b>Diagnoses</b>	
Diagnostic functions	Yes ; can be read out
Wire break	Yes ; Measuring range 1 to 5 V only
Group error	Yes
Overflow/underflow	Yes
<b>Diagnostics indication LED</b>	
Group error SF (red)	Yes
<b>Isochronous mode</b>	
Isochronous mode	No
<b>Parameter</b>	
Remark	7 bytes
Diagnosis: wire break	1
Measurement type/range	1
Group diagnostics	1
Overflow/underflow	1
<b>Galvanic isolation</b>	
<b>Galvanic isolation analog inputs</b>	
between the channels	No
between the channels and the backplane bus	Yes
between the channels and the load voltage L+	No
<b>Isolation</b>	

Isolation checked with	500 VDC
Dimensions and weight	
Dimensions	
Width	15 mm
Height	81 mm
Depth	52 mm
Weight	
Weight, approx.	40 g
Status	May 16, 2011