

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)

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.	125 mA
from backplane bus 3.3 V DC, max.	10 mA
Output voltage	
Power supply to the transmitters	
present	Yes
short-circuit proof	Yes ; approx. 200 mA for module
Power losses	
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
Cycle time (all channels) max.	40 ms ; 33 to 40 ms
permissible input current for current input (destruction limit), max.	30 mA ; limited electronically
Input ranges	
Voltage	No
Current	Yes
Thermocouple	No
Resistance thermometer	No
Resistance	No
Input ranges (rated values), currents	
4 to 20 mA	Yes ; Into 25 Ohm
Cable length	
Cable length, shielded, max.	200 m
Analog value creation	
Measurement principle	integrating
Integrations and conversion time/ resolution per channel	
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
Smoothing of measured values	
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
Encoder	
Connection of signal encoders	
Burden of 2-wire transmitter, max.	750 Ω

Errors/accuracies	
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 %
Operational limit in overall temperature range	
Current, relative to input area	+/- 0,4 %
Basic error limit (operational limit at 25 °C)	
Current, relative to input area	+/- 0,3 %
Interference voltage suppression for $f = n \times (f_l \pm 1\%)$, f_l = interference frequency	
Series mode interference (peak value of interference < rated value of input range), min.	70 dB
Isochronous mode	
Isochronous operation (application synchronized up to terminal)	No
Interrupts/diagnostics/status information	
Diagnostic messages	
Diagnostic functions	Yes ; Can be read out
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	
Diagnosis: wire break	1
Measurement type/range	1
Group diagnostics	1
Overflow/underflow	1
Galvanic isolation	
Galvanic isolation analog inputs	
between the channels	No
between the channels and the backplane bus	Yes
between the channels and the load voltage L+	No

Isolation	
Isolation checked with	500 V DC
Dimensions	
Width	15 mm
Height	81 mm
Depth	52 mm
Weight	
Weight, approx.	40 g
Status	Jul 17, 2012