SIEMENS

Data sheet

6ES7134-4GD00-0AB0



*** Spare part *** SIMATIC DP, Electronics module ET 200S 4AI standard I-2-wire, 4-20 mA; 13 bit, 15 mm width, for 2-wire transducer Cycle time 40 ms/module 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.	125 mA	
from backplane bus 3.3 V DC, max.	10 mA	
output voltage / header		
supply voltage of the transmitters / header		
• present	Yes	
 short-circuit proof 	Yes; approx. 200 mA for module	
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 current for current input (destruction limit), max.	30 mA; limited electronically	
Cycle time (all channels) max.	40 ms; 33 to 40 ms	
Input ranges (rated values), currents		
• 4 mA to 20 mA	Yes; Into 25 Ohm	
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. 	13 bit; 4 to 20 mA: 13 bit	
 Integration time, parameterizable 	Yes	
Integration time (ms)	16,67 / 20 ms	
 Interference voltage suppression for interference frequency f1 in Hz 	50 / 60 Hz	
Smoothing of measured values		
 parameterizable 	Yes; in 4 stages	
Step: None	Yes; 1x cycle time	
Step: low	Yes; 4x cycle time	

Step: High Yes; 32x cycle time Errors/accuracies Operational error limit in overall temperature range • Current, relative to input range, (+/-) Basic error limit (operational limit at 25 °C) • Current, relative to input range, (+/-) Basic error limit (operational limit at 25 °C) • Current, relative to input range, (+/-) 10.3 % Interrupts/diagnostics/status information Diagnoses • Wire-break Yes; Measuring range 1 to 5 V only • Group error • Overflow/underflow Yes Diagnostics indication LED • Group error SF (red) Parameter Remark 7 byte Diagnostics wire break 1 Group diagnostics 1 Overflow/underflow 1 Potential separation analog inputs • between the channels • between the channels and load voltage L+ No Isolation Isolation Isolation Isolation Isolation See Wife 81 mm Depth S52 mm Weight, approx. 40 g	Step: Medium	Yes; 16x cycle time	
Operational error limit in overall temperature range • Current, relative to input range, (+/-) Basic error limit (operational limit at 25°C) • Current, relative to input range, (+/-) • Current, relative to input range, (+/-) • Current, relative to input range, (+/-) O.3 %	Step: High	Yes; 32x cycle time	
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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 7 byte Diagnostics wire break 1 Group diagnostics 1 Overflow/underflow 1 Potential separation Potential separation analog inputs • between the channels and backplane bus Yes • Between the channels and load voltage L+ No Isolation Isolation Isolation Width 15 mm Height 81 mm Depth 52 mm Weights	Basic error limit (operational limit at 25 °C)		
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Isolation Isolation tested with 500 V DC Dimensions Width 15 mm Height 81 mm Depth 52 mm Weights	 between the channels and backplane bus 	Yes	
Isolation tested with 500 V DC Dimensions Width Wight 15 mm Height 81 mm Depth 52 mm Weights Weights	 Between the channels and load voltage L+ 	No	
Dimensions Width 15 mm Height 81 mm Depth 52 mm Weights Weights	Isolation		
Width 15 mm Height 81 mm Depth 52 mm Weights	Isolation tested with	500 V DC	
Height 81 mm Depth 52 mm Weights	Dimensions		
Depth 52 mm Weights	Width	15 mm	
Weights	Height	81 mm	
	Depth	52 mm	
Weight, approx. 40 g	Weights		
	Weight, approx.	40 g	

5/22/2024

last modified: