SIEMENS

Data sheet

6ES7134-4GD00-0AB0



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	
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: Medium	Yes; 16x cycle time	
Step: High	Yes; 32x cycle time	
Errors/accuracies		

Operational error limit in overall temperature range		
 Current, relative to input range, (+/-) 	0.4 %	
Basic error limit (operational limit at 25 °C)		
 Current, relative to input range, (+/-) 	0.3 %	
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 	No	
 between the channels and backplane bus 	Yes	
 Between the channels and load voltage L+ 	No	
Isolation		
Isolation tested with	500 V DC	
Dimensions		
Width	15 mm	
Height	81 mm	
Depth	52 mm	
Weights		
Weight, approx.	40 g	
	~ 1	
last modified:	7/28/2021 🖸	