6ES7134-4GB11-0AB0

Data sheet



SIMATIC DP, Electronics module f. ET200S, 2AI Standard I-4DMU 15 mm width, +/-20mA; 13 bit+sign 4.. 20mA; 12-bit for 4-wire transmitter 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
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 current for current input (destruction limit), max.	40 mA
Cycle time (all channels) max.	Number of active channels per module x basic conversion time
Input ranges (rated values), currents	
• -20 mA to +20 mA	Yes; 50 Ohm
• 4 mA to 20 mA	Yes; 50 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. 	14 bit; ±20 mA: 14 bit, 4 to 20 mA: 13 bit
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		
 Current, relative to input range, (+/-) 	0.6 %	
Basic error limit (operational limit at 25 °C)		
 Current, relative to input range, (+/-) 	0.4 %	
Interrupts/diagnostics/status information		
Diagnoses		
 Wire-break 	Yes; Measuring range 4 to 20 mA 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 4 to 20 mA)	
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+ 	No	
Isolation		
Isolation tested with	500 V DC	
Dimensions		
Width	15 mm	
Height	81 mm	
Depth	52 mm	
Weights		
Weight, approx.	40 g	
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