

SIEMENS

Product data sheet

6ES7134-4GB52-0AB0


SIMATIC DP,
ELECTRONIC MODULE ET200S: 2AI HIGH SPEED I-
2WIRE,
0 - 20mA, 4 - 20mA, 15BIT, 15 MM WIDTH,
FOR 2-WIRE TRANSDUCER,
CYCLE TIME OF THE MOD.: 0.1MS,
WITH LED SF (GROUP FAULT)

Supply voltage	
Load voltage L+	
Rated value (DC)	24 V
Short-circuit protection	Yes
Reverse polarity protection	Yes
Input current	
from load voltage L+ (without load), max.	225 mA
from backplane bus 3.3 V DC, max.	10 mA
Output voltage	
Power supply to the transmitters	
present	Yes
short-circuit proof	Yes
Power losses	
Power loss, typ.	2.5 W
Address area	

Address space per module	
Address space per module, max.	4 byte
Analog inputs	
Number of analog inputs	2
Cycle time (all channels) max.	0.25 ms
Input ranges	
Voltage	No
Current	Yes
Thermocouple	No
Resistance thermometer	No
Resistance	No
Input ranges (rated values), currents	
0 to 20 mA	Yes
Input resistance (0 to 20 mA)	106 Ω
4 to 20 mA	Yes
Cable length	
Cable length, shielded, max.	200 m
Analog value creation	
Integrations and conversion time/ resolution per channel	
Resolution with overrange (bit including sign), max.	16 bit
Smoothing of measured values	
Parameterizable	Yes
Step: None	Yes ; 1
Step: low	Yes ; 4
Step: Medium	Yes ; 16
Step: High	Yes ; 32
Encoder	
Connection of signal encoders	
for current measurement as 2-wire transducer	Yes
Errors/accuracies	
Linearity error (relative to input area)	+/- 0,03 %
Temperature error (relative to input area)	+/- 0,01 %/K
Crosstalk between the inputs, min.	50 dB

Repeat accuracy in settled status at 25 °C (relative to input area)	+/- 0,1 %
Operational limit in overall temperature range	
Current, relative to input area	+/- 0,3 %
Basic error limit (operational limit at 25 °C)	
Current, relative to input area	+/- 0,2 %
Isochronous mode	
Isochronous operation (application synchronized up to terminal)	Yes
Interrupts/diagnostics/status information	
Alarms	
Hardware interrupt	Yes
Diagnostic messages	
Diagnostic functions	Yes
Wire break	Yes ; at 4 to 20 mA
Group error	Yes
Overflow/underflow	Yes
Diagnostics indication LED	
Group error SF (red)	Yes
Parameter	
Diagnosis: wire break	At 4 to 20 mA
Measurement type/range	4 to 20 mA, 0 to 20 mA
Interference frequency suppression	No
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+	Yes
Permissible potential difference	
between MANA and M internally (UIISO)	75 V DC, 60 V AC
Dimensions	
Width	15 mm

Module width, max.	15 mm
Height	81 mm
Depth	52 mm
Status	Jul 17, 2012