MANUFACTURER PRODUCT INFORMATION

Manufacturer Product Information

Independent reference package based on exact-model Siemens documentation

PRODUCT BRAND

Siemens

PRODUCT MODEL

6ES7134-4GB62-0AB0

High-speed Four-wire Current Input. Data sheet 6ES7134-4GB62-0AB0. 08/28/2020, last modified08/28/2020. All 3 original source pages follow unchanged.

SCOPE AND LIMITATIONS

The source editions disagree on two-wire capability and sensor-supply limits. The 2020 sheet also has a 0.1 ms headline versus a 250 microsecond detailed cycle. No installation document or universal timing/supply claim is supplied.

This package is product information, not installation instructions. Manufacturer data are edition-specific and do not confirm supplied-unit revision or condition. Any generic source illustration is not an offered-unit photograph.

Siemens official exact-model product reference

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SIEMENS

Data sheet 6ES7134-4GB62-0AB0

SIMATIC DP, Electronics module ET 200S: 2AI High Speed I-4WIRE 4-20 mA; 16 bit, 15 mm width, for 4-wire transmitter, Cycle time of module: 0.1 ms, with SF LED (group fault)



Figure similar

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.	80 mA; without load
from backplane bus 3.3 V DC, max.	10 mA
Output voltage	
Power supply to the transmitters	
• present	Yes
Encoder supply	
Number of outputs	2
Type of output voltage	24 V
Short-circuit protection	Yes
Output current	

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• Rated value	80 mA; Per channel
• permissible range, lower limit	0 mA
• permissible range, upper limit	90 mA
Power loss	
Power loss, typ.	1.9 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.	30 mA
Cycle time (all channels) max.	250 µs
Input ranges (rated values), currents	
• 0 to 20 mA	Yes
— Input resistance (0 to 20 mA)	106 Ω
• -20 mA to +20 mA	Yes
• 4 mA to 20 mA	Yes
Cable length	
• shielded, max.	200 m
Analog value generation for the inputs	
Integration and conversion time/resolution per channel	
• Resolution with overrange (bit including sign), max.	16 bit
Encoder	
Connection of signal encoders	
• for current measurement as 2-wire transducer	No
Errors/accuracies	
Operational error limit in overall temperature range	
• Current, relative to input range, (+/-)	0.3 %
Basic error limit (operational limit at 25 °C)	
• Current, relative to input range, (+/-)	0.2 %
Interrupts/diagnostics/status information	
Alarms	
• Hardware interrupt	Yes
Diagnoses	
• Diagnostic information readable	Yes
• Wire-break	Yes; Measuring range 4 to 20 mA only
• Group error	Yes
• Overflow/underflow	Yes

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Diagnostics indication LED	
• Group error SF (red)	Yes
Parameter	
Diagnostics wire break	at 4 to 20 mA
Measurement type/range	4 to 20 mA, 0 to 20 mA, ±20 mA
Group diagnostics	Yes
Overflow/underflow	Yes
Potential separation	
Potential separation analog inputs	
• between the channels	No
• between the channels and backplane bus	Yes
• Between the channels and load voltage L+	Yes
Dimensions	
Width	15 mm
Height	81 mm
Depth	52 mm
Weights	
Weight, approx.	45 g

last modified: 08/28/2020

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