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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

General information	
Product function	
• Isochronous mode	Yes
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	

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Number of outputs	2
Type of output voltage	24 V
Short-circuit protection	Yes
Output current	
• 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
Smoothing of measured values	
• parameterizable	Yes
• Step: None	Yes; 1x cycle time
• Step: low	Yes; 4x cycle time
• Step: Medium	Yes; 16x cycle time
• Step: High	Yes; 32x cycle time

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 %

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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
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

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