SIEMENS

Data sheet 6ES7134-4GD00-0AB0



*** Spare part *** 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
Output voltage	
Power supply to the transmitters	
● present	Yes
● short-circuit proof	Yes; approx. 200 mA for module
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

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● 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	
— Burden of 2-wire transmitter, max.	750 Ω
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
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

Classifications

	Version	Classification
eClass	16	27-24-26-01
eClass	14	27-24-26-01
eClass	12	27-24-26-01
eClass	9.1	27-24-26-01
eClass	9	27-24-26-01
eClass	8	27-24-26-01
eClass	7.1	27-24-26-01
eClass	6	27-24-26-01
ETIM	10	EC001596
ETIM	9	EC001596
ETIM	8	EC001596
ETIM	7	EC001596
IDEA	4	3562
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

Miscellaneous | Manufacturer Declaration | Metrological Approval

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General Product Approval					EMV
RCM	EAC	China RoHS	CE EG-Konf.	UKCA	RCM

For use in hazardous locations					
ATEX	ATEX	UL	ATEX	IECEx	Miscellaneous

For use in hazardous locations	Maritime application				
CCC-Ex	ABS	BUREAU VERITAS	DNV	Lloyd's Register LRS	NK / Nippon Kaiji Kyokai

Maritime application		
PRS	RINA	CCS (China Classification Society)

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