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Data sheet 6ES7334-0CE01-0AA0



Figure similar

spare part SIMATIC S7-300, analog module SM 334, non-isolated 4 AI/2 AO, 1x 20-pole, removing and inserting with active backplane bus possible

Supply voltage	
Load voltage L+	
● Rated value (DC)	24 V
Input current	
from supply and load voltage L+ (without load), max.	110 mA
from backplane bus 5 V DC, max.	55 mA
Power loss	
Power loss, typ.	3 W
Analog inputs	
Number of analog inputs	4
● For voltage measurement	4
permissible input voltage for voltage input (destruction limit), max.	20 V
permissible input current for current input (destruction limit), max.	40 mA
Cycle time (all channels) max.	5 ms
Input ranges	
● Voltage	Yes
● Current	Yes
● Thermocouple	No
● Resistance thermometer	No
● Resistance	No
Input ranges (rated values), voltages	
● 0 to +10 V	Yes
— Input resistance (0 to 10 V)	100 kΩ
Input ranges (rated values), currents	
● 0 to 20 mA	Yes
— Input resistance (0 to 20 mA)	50 Ω
Cable length	
● shielded, max.	200 m
Analog outputs	
Number of analog outputs	2
Voltage output, short-circuit protection	Yes
Voltage output, short-circuit current, max.	11 mA
Current output, no-load voltage, max.	15 V
Output ranges, voltage	
● 0 to 10 V	Yes
Output ranges, current	
● 0 to 20 mA	Yes
Load impedance (in rated range of output)	

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● with voltage outputs, min.	5 kΩ
● with voltage outputs, capacitive load, max.	1 µF
● with current outputs, max.	300 Ω
● with current outputs, inductive load, max.	1 mH
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.	8 bit
● Integration time, parameterizable	No
Analog value generation for the outputs	
Integration and conversion time/resolution per channel	
● Resolution with overrange (bit including sign), max.	8 bit
● Conversion time (per channel)	500 µs
Settling time	
● for resistive load	0.3 ms
● for capacitive load	3 ms
● for inductive load	0.3 ms
Encoder	
Connection of signal encoders	
● for voltage measurement	Yes
● for current measurement as 2-wire transducer	No
● for current measurement as 4-wire transducer	Yes
Errors/accuracies	
Operational error limit in overall temperature range	
● Voltage, relative to input range, (+/-)	0.9 %
● Current, relative to input range, (+/-)	0.8 %
● Voltage, relative to output range, (+/-)	0.6 %
● Current, relative to output range, (+/-)	1 %
Basic error limit (operational limit at 25 °C)	
● Voltage, relative to input range, (+/-)	0.7 %
● Current, relative to input range, (+/-)	0.6 %
● Voltage, relative to output range, (+/-)	0.5 %
● Current, relative to output range, (+/-)	0.5 %
Interrupts/diagnostics/status information	
Alarms	No
Diagnostics function	No
Potential separation	
Potential separation analog inputs	
● between the channels and backplane bus	No
Potential separation analog outputs	
● between the channels	No
● between the channels and backplane bus	No
● between the channels and the power supply of the electronics	Yes
Isolation	
Isolation tested with	500 V DC
connection method	
required front connector	20-pin
Dimensions	
Width	40 mm
Height	125 mm
Depth	117 mm
Weights	
Weight, approx.	285 g
Classifications	

	Version	Classification
eClass	14	27-24-22-01
eClass	12	27-24-22-01

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eClass	9.1	27-24-22-01
eClass	9	27-24-22-01
eClass	8	27-24-22-01
eClass	7.1	27-24-22-01
eClass	6	27-24-22-01
ETIM	10	EC001420
ETIM	9	EC001420
ETIM	8	EC001420
ETIM	7	EC001420
IDEA	4	3562
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

Test Certificates

Type Test Certificates/Test Report

Special Test Certificate

Maritime application

other

Confirmation

Environment

Environmental Confirmations

last modified: 4/7/2025

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