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Data sheet 6ES7334-0CE01-0AA0

Siemens EcoTech

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



Figure similar

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

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Output ranges, voltage	
● 0 to 10 V	Yes
Output ranges, current	
● 0 to 20 mA	Yes
Load impedance (in rated range of output)	
● 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	

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Weight, approx.	285 g

Classifications

	Version	Classification
eClass	16	27-24-22-01
eClass	14	27-24-22-01
eClass	12	27-24-22-01
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







TUEV

Confirmation



General Product Approval	EMV	Radio Equipment Type Approval Certificate	Test Certificates		Maritime application
		Miscellaneous	Special Test Certificate	Miscellaneous	

Maritime application			other		
		CCS (China Classification Society)	Miscellaneous	Miscellaneous	Confirmation

other		Dangerous goods	Environment		
	Manufacturer Declaration	Transport Information			

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