

SIEMENS

Product data sheet

6ES7334-0CE01-0AA0


SIMATIC S7, ANALOG INPUT/OUTPUT SM 334,
NON-ISOLATED, 4 AI/2 AO, 1 X 20 PIN,
REMOVE AND INSERT WITH BACKPLANE BUS

Supply voltage	
Load voltage L+	
Rated value (DC)	24 V
Power supply / Input / Input current	
from load voltage L+ (without load), max.	110 mA
from backplane bus 5 V DC, max.	55 mA
Power losses	
Power loss, typ.	3 W
Analog inputs	
Number of analog inputs	4
Number of analog inputs for voltage measurement	4
permissible input voltage for voltage input (destruction limit), max.	20 V
Cycle time (all channels) max.	5 ms
permissible input current for current input (destruction limit), max.	40 mA

[nicht versorgt: TAK_ABT164_001_000]	
Voltage	Yes
Current	Yes
Resistance thermometer	No
Resistance	No
Input ranges (rated values), voltages	
0 to +10 V	Yes
Input resistance (0 to 10 V)	100 k Ω
Input ranges (rated values), currents	
0 to 20 mA	Yes
Input resistance (0 to 20 mA)	50 Ω
Analog outputs	
Number of analog outputs	2
Cable length, shielded, max.	200 m
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)	
with voltage outputs, min.	5 k Ω
with voltage outputs, capacitive load, max.	1 μ F
with current outputs, max.	300 Ω
with current outputs, inductive load, max.	1 mH
Analog value creation	
Integrations and conversion time/ resolution per channel	
Resolution with overrange (bit including sign), max.	8 bit
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 current measurement as 4-wire transducer	Yes
Errors/accuracies	
Operational limit in overall temperature range	
Voltage, relative to input area	+/- 0,9 %
Current, relative to input area	+/- 0,8 %
Voltage, relative to output area	+/- 0,6 %
Current, relative to output area	+/- 1 %
Basic error limit (operational limit at 25 °C)	
Voltage, relative to input area	+/- 0,7 %
Current, relative to input area	+/- 0,6 %
Voltage, relative to output area	+/- 0,5 %
Current, relative to output area	+/- 0,5 %
Interrupts/diagnostics/status information	
Alarms	
Alarms	No
Diagnoses	
Diagnostic functions	No
Galvanic isolation	
Galvanic isolation analog inputs	
between the channels and the backplane bus	No
Galvanic isolation analog outputs	
between the channels and the backplane bus	No
Isolation	
Isolation checked with	500 VDC
Connection method	
required front connector	20-pin
Dimensions and weight	
Dimensions	
Width	40 mm
Height	125 mm
Depth	120 mm

Weight	
Weight, approx.	285 g
Status	May 16, 2011