



Product data sheet**6ES7232-4HB30-0XB0**

SIMATIC S7-1200, ANALOG OUTPUT, SM 1232, 2 AO, +/-10V, 14 BIT RESOLUTION, OR 0-20 MA, 13 BIT RESOLUTION,

Supply voltages

Rated value

DC 24 V

Yes

Short-circuit protection

0.0000000000000000E+00

Current consumption

Current consumption, typ.

45 mA

from backplane bus DC 5 V, typ.

80 mA

Current consumption/power loss

Power loss, typ.

1.5 W

Connection point

required front connectors

Yes

Analog inputs

Number of analog inputs

0

Temperature compensation

programmable

No

Analog outputs

Number of analog outputs

2 ; Current or voltage

Output ranges, voltage

-10 to +10 V

Yes

Output ranges, current

0 to 20 mA

Yes

Load impedance (in rated range of output)

with voltage outputs, min.

1000 Ω

with current outputs, max.

600 Ω

Analog value creation

Measurement principle

Differential

Integration and conversion time/resolution per channel

Resolution (incl. overload area)

Voltage: 14 bits; Current : 13 bits

Integration time, parameterizable	Yes
Interference voltage suppression for interference frequency f1 in Hz	40 dB, DC to 60 V for interference frequency 50 / 60 Hz
Errors/accuracies	
Temperature error (relative to output area)	25°C ±0.3% to 55°C ±0.6% total measurement range
Basic error limit (operational limit at 25 °C)	
Voltage, relative to output area	+/- 0,3 %
Current, relative to output area	+/- 0,3 %
Interference voltage suppression for $f = n \times (f_l \pm 1 \%)$, f_l = interference frequency	
common mode voltage, max.	12 V
Interrupts/diagnostics/status information	
Alarms	
Alarms	Yes
Diagnostic alarm	Yes
Diagnoses	
Diagnostic functions	Yes
Monitoring the voltage supply to the electronics	Yes
Wire break	Yes
Short circuit	Yes
Degree of protection	
IP 20	Yes
Standards, approvals, certificates	
CE symbol	Yes
C-TICK	Yes
FM approval	Yes
Mechanics	
Plastic	Yes
Dimensions and weight	
Dimensions and weight	
Width	45 mm
Height	100 mm
Depth	75 mm
Weight	
Weight, approx.	180 g
Status	Sep 28, 2009