

SIEMENS

Product data sheet
6ES7232-4HA30-0XB0

SIMATIC S7-1200, ANALOG OUTPUT SB 1232, 1 AO, +/- 10VDC (12 BIT RES.) OR 0 - 20 MA (11 BIT RES)
Supply voltages
Power supply to the transmitters

Supply current, max. 25 mA

Current consumption

from backplane bus 5 V DC, typ. 15 mA

Power losses

Power loss, typ. 1.5 W

Analog inputs

Number of analog inputs 0

Input ranges (rated values), voltages

-10 V to +10 V Yes

Input resistance (-10 V to +10 V) 1000 Ω

Analog outputs

Number of analog outputs 1

Cycle time (all channels) max. Voltage: 300 S (R), 750 S (1 uF) Current: 600 ms (1 mH); 2 ms (10 mH)

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

Cable length

Shielded, twisted wire pair

Analog value creation

Measurement principle Differential

Integrations and conversion time/ resolution per channel

Resolution (incl. overrange)	V / 12 bits, I / 11 bits
Smoothing of measured values	
parameterizable	Yes
Errors/accuracies	
Temperature error (relative to output area)	25°C ±0.5% bis 55°C ±1%
Interrupts/diagnostics/status information	
Alarms	
Alarms	Yes
Diagnoses	
Diagnostic functions	Yes
Diagnostics indication LED	
	Yes
Climatic and mechanical conditions for storage and transport	
Climatic conditions for storage and transport	
Free fall	
Drop height, max. (in packaging)	0.3 m
Temperature	
Permissible temperature range	-40 °C to +70 °C
Air pressure acc. to IEC 60068-2-13	
Permissible air pressure	1080 to 660 hPa
Relative humidity	
Permissible range (without condensation) at 25 °C	95%
Degree of protection	
IP20	Yes
Standards, approvals, certificates	
Marine approval according to Germanischer Lloyd	Yes
Mechanics	
Plastic	Yes
Dimensions and weight	
Dimensions	
Width	38 mm
Height	62 mm
Depth	21 mm
Weight	

Weight, approx.

40 g

Status

Dec 13, 2010