



## **6ES7232-4HA30-0XB0**

URL: <https://www.sxplc.com/6es7232-4ha30-0xb0>

### **Product data sheet**

Input Current

From backplane bus DC 5 V, typical 15 mA

Output voltage/header

Measurement of the inverter supply voltage / heading

Supply current, max. 25 mA

Power loss

Power loss, typical 1.5 W

Analog Inputs

Number of analog inputs 0

## Analog Outputs

Number of analog outputs 1

Cycle time (all channels), maximum Voltage: 300  $\mu$ S (R), 750  $\mu$ S (1  $\mu$ F) Current: 600  $\mu$ S (1 mH), 2 ms (10 mH)

Output Range, Voltage

Output range, voltage: -10 V to +10 V Yes

Output range, voltage ● -10 V to +10 V Yes

Output range, voltage ● -10 V to +10 V Yes Output range, current ● 0 to 20 mA Yes

Load resistance (within rated output range)

● Maximum 1 000  $\Omega$  for the voltage outputs

Maximum value for current output 600  $\Omega$

Lead wire length

● Shielded, max. 100 m; shielded twisted-pair cable

Analog value composition of the outputs

Conversion principle Differential

Integration and conversion time/resolution per channel

Resolution with overmodulation (number of bits including sign), max. 12 bit

Error/accuracy

Temperature error (output range dependent), (+/-) 25 °C  $\pm 0.5\%$ , up to 55 °C  $\pm 1\%$

Alarms/Diagnostics/Status information

Alarms/Diagnostics/Status Messages

Alarms Yes

Diagnostic function Yes

Diagnostic Display LED

● For output status Yes

Standards, Licenses, Certificates

CE Marking Yes

CSA License Yes

UL License Yes

cULus Yes

FM license yes

RCM (formerly C-TICK) Yes

KC license yes

Shipbuilding license yes

Environmental Requirements

In the open air ● Maximum drop 0.3 m; five in shipping package

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Ambient temperature during operation

● Minimum -20 °C

● Maximum 60 °C

Level installation, max. -20 °C

Horizontal installation, max. 60 °C ● Vertical installation, max. 60 °C

Vertical installation, max. -20 °C

Vertical installation, max. 50 °C

Ambient temperature during transportation/storage

● Maximum -40 °C

● Max. 70 °C

● Ambient temperature during transportation/storage ● Maximum -40 °C ● Maximum 70 °C ● Pressure according to IEC 60068-2-13

Storage/transportation, max. 660 hPa ● Storage/transportation, max. 660 hPa

Storage/transportation, maximum value 1 080 hPa

Relative Air Humidity

● Operating without condensation at 25 °C, max. 95% ● Storage/transport, max. 1 080 hPa Relative air humidity

Hazardous substance concentration

SO<sub>2</sub> at RH < 60%, no condensation Sulfur dioxide: < 0.5 ppm; Hydrogen sulfide: < 0.1 ppm; RH < 60%, no condensation

Mechanical/Materials

Enclosure Material (face)

Plastic Yes

Size

Width 38 mm

Height 62 mm

Depth 21 mm

Weight

Weight, approx. 40 g

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