

Siemens 6ES7332-5HF00-0AB0 Manual

Brand	Siemens
Product Series	Siemens
Product Type	-

Description

6ES7332-5HF00-0AB0

SIMATIC S7-300, Analog output SM 332, isolated, 8 AO, U/I; diagnostics; resolution 11/12 bits, 40-pole, removing and inserting possible with active backplane bus

Supply voltage

Load voltage L+

- Rated value (DC) 24 V
- Reverse polarity protection Yes

Input current

from load voltage L+ (without load), max. 340 mA

from backplane bus 5 V DC, max. 100 mA

Power loss

Power loss, typ. 6 W

Analog outputs

Number of analog outputs 8

Voltage output, short-circuit protection Yes

Voltage output, short-circuit current, max. 25 mA

Current output, no-load voltage, max. 18 V

Output ranges, voltage

- 0 to 10 V Yes
- 1 V to 5 V Yes
- -10 V to +10 V Yes

Output ranges, current

- 0 to 20 mA Yes
- -20 mA to +20 mA Yes
- 4 mA to 20 mA Yes

Load impedance (in rated range of output)

- with voltage outputs, min. 1 k Ω
- with voltage outputs, capacitive load, max. 1 μ F
- with current outputs, max. 500 Ω
- with current outputs, inductive load, max. 10 mH

Cable length

- shielded, max. 200 m

Analog value generation for the outputs

Integration and conversion time/resolution per channel

- Resolution with overrange (bit including sign), max. 12 bit; ± 10 V, ± 20 mA, 4 mA to 20 mA, 1 V to 5 V: 11 bit + sign; 0 V to 10 V, 0 mA to 20 mA: 12 bit

- Conversion time (per channel) 0.8 ms

Settling time

- for resistive load 0.2 ms
- for capacitive load 3.3 ms
- for inductive load 0.5 ms; 0.5 ms (1 mH); 3.3 ms (10 mH)

Errors/accuracies

Operational error limit in overall temperature range

- Voltage, relative to output range, (+/-) 0.5 %
- Current, relative to output range, (+/-) 0.6 %

Basic error limit (operational limit at 25 °C)

- Voltage, relative to output range, (+/-) 0.4 %
- Current, relative to output range, (+/-) 0.5 %

Interrupts/diagnostics/status information

Diagnostics function Yes; Parameterizable

Alarms

- Diagnostic alarm Yes; Parameterizable

Diagnoses

- Diagnostic information readable Yes

Diagnostics indication LED

- Group error SF (red) Yes

Potential separation

Potential separation analog outputs

- between the channels No
- between the channels and backplane bus Yes
- Between the channels and load voltage L+ Yes
- between the channels and the power supply of the

electronics

Yes

Isolation

Isolation tested with 500 V DC

connection method

required front connector 40-pin

Dimensions

Width 40 mm

Height 125 mm

Depth 117 mm

Weights

Weight, approx. 272 g

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