

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7332-5HB81-0AB0

Extended-Environment Analog Output Module

OUTPUT CHANNELS	OUTPUT TYPE	RESOLUTION	CONSTRUCTION
2	Voltage or current	Up to 12 bits	SIMATIC outdoor

Siemens 6ES7332-5HB81-0AB0 is the SIMATIC outdoor version of the SM 332 two-channel analog output module. The manufacturer explicitly identifies its corresponding standard module for electrical specifications. Each output supports the documented voltage and current ranges with configurable diagnostics.

01

VERIFIED TECHNICAL INFORMATION

Analog output channels	2
Voltage output ranges	±10 V, 0-10 V and 1-5 V
Current output ranges	±20 mA, 0-20 mA and 4-20 mA
Resolution including overrange	12 bits for 0-10 V and 0-20 mA; 11 bits plus sign for other listed ranges
Conversion time per channel	0.8 ms maximum
Settling time	0.1 ms resistive; 3.3 ms capacitive; 0.5 ms inductive load
Rated load voltage	24 V DC, reverse-polarity protected

Manufacturer evidence: S7-300 and M7-300 Programmable Controllers Module Specifications; exact-model manual section.

02 TECHNICAL INFORMATION CONTINUED

Backplane current	60 mA maximum
L+ current without load	135 mA maximum
Typical power loss	3 W
Shielded output cable	200 m maximum
Voltage-load impedance	At least 1 kohm; capacitive load up to 1 µF
Current-load impedance	Up to 500 ohm; up to 600 ohm if UCM is below 1 V; inductive load up to 10 mH
Horizontal operating temperature	-25°C to +60°C
Vertical operating temperature	-25°C to +40°C

03 SOURCE AND CONFIGURATION CHECKS

The module provides programmable substitute values and isolation from the controller backplane and load supply. Its extended environmental limits depend on installation orientation. Output resolution varies with range, and transient intermediate values can occur during load-supply switching or online range changes.

Packed dimensions and supplied-unit origin must be checked against the actual delivery. No verified gross shipping weight is inferred from module net mass.

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AMIKON PRODUCT SUPPORT

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