

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7135-6HB00-0DA1

High-Speed Analog Output Module



OUTPUTS	MODE	BASEUNIT	SUPPLY
2 U/I channels	High Speed	A0 / A1	24 V DC

Siemens 6ES7135-6HB00-0DA1 is a SIMATIC ET 200SP High Speed analog output module with two configurable voltage or current channels. It fits type A0 or A1 BaseUnits and uses color code CC00. Output resolution depends on the selected signal range.

01

VERIFIED TECHNICAL INFORMATION

Analog outputs	2 configurable voltage/current channels
Voltage output ranges	±10 V, ±5 V, 0-10 V and 1-5 V
Current output ranges	±20 mA, 0-20 mA and 4-20 mA
Range-dependent resolution	13-16 bits depending on range; 16 bits including sign for ±10 V and ±20 mA
Usable BaseUnits	Type A0 or A1; color code CC00
Supply voltage	24 V DC rated; permissible 19.2-28.8 V DC
Current consumption	45 mA without load; maximum 90 mA with two 20 mA outputs

Sources: Siemens SiePortal exact product page (15 October 2026); A5E03576140-AD, 09/2016, pp. 12-25.

02 TECHNICAL INFORMATION CONTINUED

Typical power loss	0.9 W
Normal output cycle	125 µs minimum; product version 2 and firmware V2.0.1 or later
Oversampling operation	2-16 subcycles on one channel or 2-8 on two; isochronous mode required
Address allocation	4 output bytes normally; optional 1 QI input byte; 32 output bytes for oversampling
Voltage load	Minimum 2 kohm; maximum capacitance 1 µF
Current load	Maximum 500 ohm and 1 mH
Shielded cable length	Maximum 200 m for voltage or 1,000 m for current; observe load and settling limits
Operational error limit	±0.2% of selected output range; basic error ±0.1% at 25 °C

03 SOURCE AND VERSION CHECKS

For time-coordinated setpoints, the module supports isochronous operation and oversampling subject to documented hardware and firmware requirements. Normal operation and oversampling have different cycle and address-space rules. Voltage-load sensing, current-loop impedance and diagnostic thresholds must be checked against the selected operating mode.

The current technical table applies from FS06. Packaging dimensions are 7.7 x 6.8 x 2.4 cm (L x W x H). Net or approximate module mass is not gross shipping weight. No installation PDF is included in this release.

- Siemens official product page - exact model
- Siemens full module manual - firmware and configuration context