

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7135-6HD00-0BA1

SIMATIC ET 200SP | AQ 4xU/I ST



OUTPUTS	SUPPLY	MODULE WIDTH	BASEUNIT
4 analog channels	24 V DC	15 mm	A0 / A1

Siemens 6ES7135-6HD00-0BA1 provides four configurable current or voltage outputs in a SIMATIC ET 200SP station. Select the range, actuator load and wiring method for each channel; network connection is provided by the station CPU or interface module.

01

VERIFIED TECHNICAL DATA

Voltage ranges	0 to 10 V; 1 to 5 V; +/-5 V; +/-10 V
Current ranges	0 to 20 mA; 4 to 20 mA; +/-20 mA
Supply current, maximum	150 mA
Power loss, typical	1.5 W
Cycle time, all channels	5 ms minimum
Voltage-output load	2 kohm minimum; 1 microfarad maximum
Current-output load	500 ohm maximum; 1 mH maximum
Signal resolution	13 to 16 bits, depending on selected range

Technical basis: Siemens manual A5E03573365-AD, 03/2016, pp. 25-28. Ratings depend on output mode and mounting conditions; observe the original derating curves.

02 OPERATING LIMITS

Channel-to-channel isolation	No; channels are isolated from backplane and supply
Ambient operating temperature	Horizontal: 0 to 60 C; vertical: 0 to 50 C; derating applies

03 APPLICATION & INTEGRATION

- Current or voltage setpoint output to suitable analog actuators in an ET 200SP station.
- PROFINET IO or PROFIBUS DP operation depends on the selected station interface and configuration.
- Voltage output supports 2-, 3- or 4-wire connection; current output uses 2-wire connection.
- Configure the required CPU STOP response: switch off, keep the last value or output a substitute value.

This is a standard analog output module. It is not a standalone fail-safe output. Any safety-related use requires the complete Siemens-documented architecture and a validated application.

04 OFFICIAL DOCUMENTATION

[Siemens AQ 4xU/I ST manual - A5E03573365-AD](#)

[Siemens product record - 6ES7135-6HD00-0BA1](#)

Source edition: 03/2016. Verify the installed hardware/firmware and current Siemens product information before replacement. No unverified package weight, shipping commitment or unit revision is stated here.

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