AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7135-6TD00-0CA1

Four-channel HART current output module



OUTPUTS	HART	LOAD	SUPPLY
4 current loops	**4-20 mA mode**	**750 ohm max.**	**24 V DC**

Siemens 6ES7135-6TD00-0CA1 is the SIMATIC ET 200SP AQ 4xI HART HF analog output module. Its four channels provide 0-20 mA or 4-20 mA signals with 16-bit resolution including sign. HART communication is available with the configured 4-20 mA HART range.

01 VERIFIED TECHNICAL INFORMATION

Analog outputs	4 current-output channels
Current output ranges	0-20 mA; 4-20 mA; 4-20 mA with HART
Resolution	16 bits including sign
Supply voltage	24 V DC; permissible 19.2-28.8 V DC
Compatible BaseUnits	A0 or A1; color code CC00
Maximum supply current	125 mA; rated 115 mA
Typical power loss	1.7 W

Manufacturer evidence: AQ 4xI HART HF product manual (Spanish original); exact-model manual section and manufacturer data sheet.

02 TECHNICAL INFORMATION CONTINUED

Output address allocation	8 bytes for four analog output values
Optional input allocation	20 bytes for four HART variables; an additional 1 byte for QI
Minimum cycle time	3 ms for all channels
Settling time	2 ms without HART; up to 50 ms with HART enabled
Output load limits	Maximum 750 ohm resistance and 10 mH inductance
Maximum shielded cable length	800 m, subject to loop load limits
Error limits	Basic ±0.1 % at 25 °C; operational ±0.3 % over full temperature range
Channel isolation	From backplane bus and load supply; not between channels

03 SOURCE AND CONFIGURATION CHECKS

The module operates on an A0 or A1 BaseUnit with a 24 V DC supply and provides four separate current outputs for actuator loops. Availability and mapping of HART variables and quality information depend on the selected ET 200SP station configuration.

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

Siemens original documentation and product reference

AMIKON PRODUCT SUPPORT

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