

SIMATIC ET 200PRO

Product Data Sheet

6ES7145-4GF00-0AB0

Four Channel Current Output Module

ANALOG OUTPUT CHANNELS	SUPPORTED CURRENT RANGES	NOMINAL LOAD VOLTAGE	LOAD-SUPPLY INPUT CURRENT
4 current outputs	±20 mA; 0 to 20 mA; 4 to 20 mA	24 V DC	110 mA maximum

Siemens 6ES7145-4GF00-0AB0 is an AO 4 I High Feature analog output module for SIMATIC ET 200pro. It provides four current-output channels for compatible distributed automation stations.

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VERIFIED TECHNICAL DATA

Analog output channels	4 current outputs
Supported current ranges	±20 mA; 0 to 20 mA; 4 to 20 mA
Nominal load voltage	24 V DC
Load-supply input current	110 mA maximum
Backplane current consumption	10 mA maximum at 3.3 V DC
Typical power loss	2.3 W
Maximum output load	600 ohm; 1 mH inductance
Maximum open-circuit output voltage	16 V
Resolution allocation	15 bits incl. sign for ±20/4 to 20 mA; 14 bits for 0 to 20 mA
Cycle time for all channels	3 ms

ADDITIONAL PRODUCT DATA

Conversion time per channel	0.7 ms
Current settling time	0.1 ms resistive; 1 ms inductive
Maximum shielded output cable	30 m
Output address requirement	8 bytes
Measurement error limits	±0.15% basic; ±0.2% over operating range

DOCUMENTED USE SETTINGS

Manufacturing and Industrial Production: Industrial Manufacturing Process Control.

Food Processing and Beverage Production: Food Processing and Packaging.

Water Treatment and Wastewater Processing: Water Supply Process Management.

SYSTEM COMPATIBILITY

Configure the AO 4 I High Feature module in the compatible ET 200pro station. Select the required current range and reserve eight output bytes for the four channels.

PRODUCT EVIDENCE

Siemens exact-article technical data, 6ES7145-4GF00-0AB0

AMIKON PRODUCT SUPPORT

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