

SIMATIC ET 200ECO PN

Product Data Sheet

6ES7145-6HD00-0AB0

Four-channel analog voltage and current output module

ANALOG OUTPUT CHANNELS	SUPPLY VOLTAGE	TYPICAL SUPPLY CURRENT	TYPICAL POWER LOSS
4	24 V DC	280 mA	5.5 W

Siemens 6ES7145-6HD00-0AB0 is a SIMATIC ET 200eco PN distributed I/O module with four analog outputs. It provides voltage or current signals for compatible actuators in PROFINET automation.

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VERIFIED TECHNICAL DATA

Analog output channels	4
Supply voltage	24 V DC
Typical supply current	280 mA
Typical power loss	5.5 W
Voltage output ranges	0 to 10 V / 1 to 5 V / ± 10 V
Current output ranges	0 to 20 mA / ± 20 mA / 4 to 20 mA
Output resolution	16 bits including sign
Conversion time per channel	1 ms
Minimum voltage-output load resistance	1 kohm
Maximum current-output load resistance	600 ohm

ADDITIONAL PRODUCT DATA

Maximum capacitive voltage load	1 microF
Maximum inductive current load	1 mH
Maximum shielded cable length	30 m
PROFINET transmission rate	100 Mbit/s
Enclosure protection	IP65/67

DOCUMENTED USE SETTINGS

Industrial Manufacturing and Production Processing: Manufacturing Process Automation.

Food Production and Beverage Processing: Food Processing and Packaging.

Chemical Production and Petrochemical Processing: Industrial Chemical Production.

SYSTEM COMPATIBILITY

6ES7145-6HD00-0AB0 belongs to the SIMATIC ET 200eco PN family and provides the documented four-channel analog voltage and current output module function. Its analog output channels is 4; match this characteristic to the connected equipment and the project configuration.

PRODUCT EVIDENCE

Siemens SIMATIC ET 200eco PN manufacturer documentation; applicable pages 1, 2, 3