

SIMATIC ET 200PRO 4AI RTD HF

Product Data Sheet

6ES7144-4JF00-0AB0

Four Channel RTD Input

ANALOG INPUT COUNT	RATED SUPPLY	TYPICAL 1L+ CURRENT	BACKPLANE CURRENT
4	24 V DC	27 mA	10 mA at 3.3 V DC, typical

Siemens 6ES7144-4JF00-0AB0 is a four channel rtd input in the SIMATIC ET 200pro 4AI RTD HF range. It measures four RTD or resistance signals for distributed temperature monitoring.

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VERIFIED TECHNICAL DATA

Analog input count	4
Rated supply	24 V DC
Typical 1L+ current	27 mA
Backplane current	10 mA at 3.3 V DC, typical
Power dissipation	0.7 W typical
Input address allocation	8 byte
RTD measuring currents	1.25 or 0.5 mA by range
All-channel measurement cycle	83 ms at 50 Hz, 69 ms at 60 Hz
Resistance measuring ranges	150 / 300 / 600 / 3000 ohm
Shielded sensor cable	30 m maximum

ADDITIONAL PRODUCT DATA

Measuring resolution	15 bits plus sign for RTDs
Linearity error	±0.05% of input range
Temperature coefficient	±0.002%/K
Repeatability at 25 deg C	±0.015% of input range
Isolation test voltage	707 V DC

DOCUMENTED USE SETTINGS

Food Manufacturing and Beverage Production Processes: Food Processing and Packaging.

Chemical Manufacturing and Material Processing Production: Industrial Chemical Manufacturing.

Municipal Water and Wastewater Treatment Processes: Drinking Water Treatment.

SYSTEM COMPATIBILITY

Match 6ES7144-4JF00-0AB0 to the accepted SIMATIC ET 200pro 4AI RTD HF configuration and associated parts before integration.

PRODUCT EVIDENCE

Siemens SIMATIC ET 200pro 4AI RTD HF applicable manufacturer data

AMIKON PRODUCT SUPPORT

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