SIMATIC S7-300 SM 334

Product Data Sheet

6ES7334-0KE00-0AB0

Mixed analog input-output module

ANALOG INPUT CHANNELS	ANALOG OUTPUT CHANNELS	VOLTAGE RANGE	RESISTANCE RANGE
4, including 2 voltage-capable channels	**2, voltage**	**0-10 V**	**0-10000 ohm**

Siemens 6ES7334-0KE00-0AB0 is the SM 334 mixed analog module for SIMATIC S7-300. It provides four analog inputs and two voltage outputs with 12-bit representation. Inputs support resistance and Pt100 climatic-range sensing, with two channels also accepting 0-10 V.

01 TECHNICAL DATA

Analog input channels	4, including 2 voltage-capable channels
Analog output channels	2, voltage
Voltage range	0-10 V
Resistance range	0-10000 ohm
Resistance thermometer	Pt100, climatic range only
Analog representation	12 bit
Nominal load supply	24 V DC
Maximum unloaded L+ current	80 mA
Maximum backplane current	60 mA at 5 V
Typical power loss	2 W

Siemens 6ES7334-0KE00-0AB0 original product data, applicable source pages 1, 2, 3.

02 ADDITIONAL PRODUCT DATA

All-input cycle time	85 ms maximum
Voltage input resistance	100 kohm
Minimum output load	2.5 kohm
Output settling time	0.8 ms for resistive or capacitive loads
Front connector arrangement	20-pin

03 PRODUCT FUNCTION

The voltage outputs provide 0-10 V into loads of at least 2.5 kohm. Resistance inputs cover up to 10000 ohm and support two-, three- or four-wire connections. The module uses a twenty-pin front connector, with optical isolation between the analog circuits and backplane.

04 SYSTEM COMPATIBILITY

Wire the twenty-pin connector for the selected sensor method and retain analog references. Voltage outputs require at least 2.5 kohm loads and do not provide current-output ranges.

05 REFERENCE

Siemens 6ES7334-0KE00-0AB0 original product data, applicable source pages 1, 2, 3.

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