SIMATIC ET 200S

Product Data Sheet

6ES7134-4JB01-0AB0

Two-Channel Thermocouple Input Module

ANALOG INPUT CHANNELS	INPUT SUPPLY	LOAD-SUPPLY CURRENT MAXIMUM	BACKPLANE CURRENT MAXIMUM
2	**24 V DC from power module**	**30 mA**	**10 mA at 3.3 V DC**

Siemens 6ES7134-4JB01-0AB0 is a two-channel ET 200S Standard thermocouple input module. Its integrating inputs accept -80 to +80 mV and linearize thermocouple types B, E, J, K, L, N, R, S and T. The module provides 15-bit conversion plus sign and uses four input bytes.

01 TECHNICAL DATA

Analog input channels	2
Input supply	24 V DC from power module
Load-supply current maximum	30 mA
Backplane current maximum	10 mA at 3.3 V DC
Typical power loss	0.6 W
Input address allocation	4 bytes
Millivolt range	-80 to +80 mV
Thermocouple characteristics	B, E, J, K, L, N, R, S, T
Input resistance	1 Mohm
Permanent input-voltage destruction limit	10 V maximum

02 ADDITIONAL PRODUCT DATA

Conversion time per channel	65 ms nominal
Nominal resolution	15 bits plus sign
Internal cold-junction compensation	Not supported
External compensation	One external compensation box per channel
Shielded input cable maximum	50 m

03 PRODUCT FUNCTION

The thermocouple reference junction is compensated externally rather than by an internal sensor. One external compensating box per channel is supported. Each input has 1 Mohm resistance, with a 50 m maximum shielded cable run. The module receives 24 V DC from the power module, with maximum load-supply current of 30 mA and typical dissipation of 0.6 W.

04 SYSTEM COMPATIBILITY

Provide external cold-junction compensation as described for the installed ET 200S arrangement. The module does not provide internal temperature compensation. Keep thermocouple polarity and the intended reference-junction arrangement documented, and use the specified compensation connection for each affected channel.

05 REFERENCE

Siemens 6ES7134-4JB01-0AB0 official product data; applicable specification pages.

AMIKON PRODUCT SUPPORT
+86-18020776786 INFO@AMIKON.CN AMIKONG.COM