SIMATIC ET 200S

Product Data Sheet

6ES7134-4NB51-0AB0

Two-channel RTD input module

ANALOG CHANNELS	INPUT RESOLUTION	RESISTANCE RANGES	RTD FAMILIES
2	**16 bits**	**0 to 150/300/600/3000 ohm**	**Pt / Ni / Cu10**

Siemens 6ES7134-4NB51-0AB0 is a two-channel RTD High Feature input module for an ET 200S station. It accepts the specified resistance-thermometer families and resistance ranges through the selected terminal arrangement.

01 TECHNICAL DATA

Analog channels	2
Input resolution	16 bits
Resistance ranges	0 to 150/300/600/3000 ohm
RTD families	Pt / Ni / Cu10
Additional sensor type	PTC
Conversion principle	Sigma-delta
Integration times	16.7 or 20 ms
Interference rejection	50 or 60 Hz
Basic conversion times	50 or 60 ms
Smoothing factors	1 / 4 / 32 / 64

02 ADDITIONAL PRODUCT DATA

Maximum shielded cable	200 m
Isolation test voltage	500 V DC
Parameter data length	7 bytes

03 PRODUCT FUNCTION

The sigma-delta converter provides 16-bit resolution with selectable 50 or 60 Hz interference rejection. Smoothing factors of 1, 4, 32 or 64 adjust the signal response, while wiring mode and wire-break diagnostics influence the complete channel conversion cycle.

04 SYSTEM COMPATIBILITY

Select 50 or 60 Hz interference rejection and the required smoothing factor. Basic conversion times are 50 or 60 ms; wire-break checking and three-wire operation add to the complete channel processing time.

05 REFERENCE

Siemens 6ES7134-4NB51-0AB0 technical data and applicable product instructions

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