TECHNICAL DATA SHEET

SIEMENS

6ES7331-7PF01-0AB0

BOARD SIEMENS 6ES7331-7PF01-0AB0



Electrical Data	
Rated Supply Voltage (DC)	**24 V**
Reverse Polarity Protection	**Yes**

Inputs	
Number of Analog Inputs	**8**
Number of Analog Inputs for Resistance Measurement	**8**
Permissible Input Voltage for Voltage Input (Destruction Limit)	**75 V; 35 V continuous, 75 V for max. 1 s (mark to space ratio 1:20)**
Input Range: Voltage	**No**
Input Range: Current	**No**
Input Range: Thermocouple	**No**
Input Range: Resistance Thermometer	**Yes**
Input Range: Resistance	**Yes**
Rated Value: Cu 10	**Yes**
Rated Value: Ni 100	**Yes**

Inputs (continued)	
Rated Value: Ni 1000	**Yes**
Rated Value: LG-Ni 1000	**Yes**
Rated Value: Ni 120	**Yes**
Rated Value: Ni 200	**Yes**
Rated Value: Ni 500	**Yes**
Rated Value: Pt 100	**Yes**
Rated Value: Pt 1000	**Yes**

Performance	
Integration Time Parameterizable	**Yes**
Basic Conversion Time up to 4 Channels	**10 ms per module**
Basic Conversion Time over 5 Channels	**190 ms per module**
Basic Conversion Time 8 Channels	**80 ms**
Interference Voltage Suppression Frequency f1	**400 / 60 / 50 Hz**

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Accuracy	
Operational Error Limit in Overall Temperature Range: Resistance	**(+/-) 0.1 %**
Operational Error Limit in Overall Temperature Range: Resistance Thermometer	**(+/-) ±1 K**
Basic Error Limit (operational limit at 25 °C): Resistance	**(+/-) 0.05 %**

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